3xLOGIC

Intelligent Video Surveillance

VIGIL VCM – VIGIL Central Management v7.1

User's Guide

October 2013 Revision

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1 Introduction

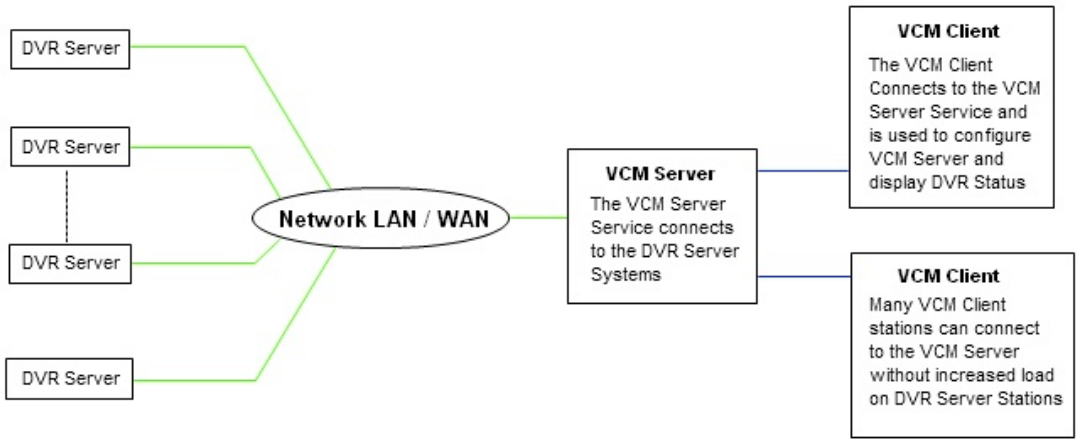
The VIGIL Central Management (VCM)v7.1 software application is designed to meet the stringent requirements of the multi-site, enterprise-class user. It provides IT professionals with the tools to effectively manage multiple VIGIL Servers connected over IP networks. VCM provides a simple, yet effective way to monitor and manage multiple VIGIL Digital Video Recorders. VCM can monitor and report on each VIGIL Servers health remotely and independently for information such as cameras online, recording status, disk usage and many other points of interest and alerts.

Disclaimer: *This application has been optimized for use with Windows XP and Windows 7, Windows Server 2003 and Windows Server 2008. 3xLOGIC does not actively support other operating systems for this application. Installing this application on operating systems other than the those mentioned above may have undesirable consequences.

1.1 Features:

Health Monitor	Instantly monitor all of your VIGIL Server Sites from a central location and get notification of any potential problems before they impact your system. These notifications can be via local alarm, email or even text messaging (dependant on cellular provider support for SMTP gateway texting).
Access Control	Easily change the access rights of one or more users across hundreds of sites instantly.
Updates	Push an Update to a Single VIGIL Server or Schedule mass software updates easily and effectively. Set a rolling schedule to manage bandwidth or to fit the update in during off hours.
VCM Security	VCM User and Group controls can be used to restrict access to groups of VIGIL Servers based on which User logs in to VCM or connects to VCM with VIGIL Client.
Settings Snapshots	Take a Snapshot of a VIGIL Server's Settings. In the event a Unit fails, the Settings can be quickly re-applied to a replacement VIGIL Server. This process can be automated to update the snapshot when the VIGIL Server's Settings change.
Centralized Analytics Database	Copies the Analytics Data from Configured VIGIL Server's to a Centralized Database to simplify Analytics Reporting. Note: The Target Central SQL Database requires Central Video Analytics Setup Scripts to be run on the system.

VCM Server and Client Overview

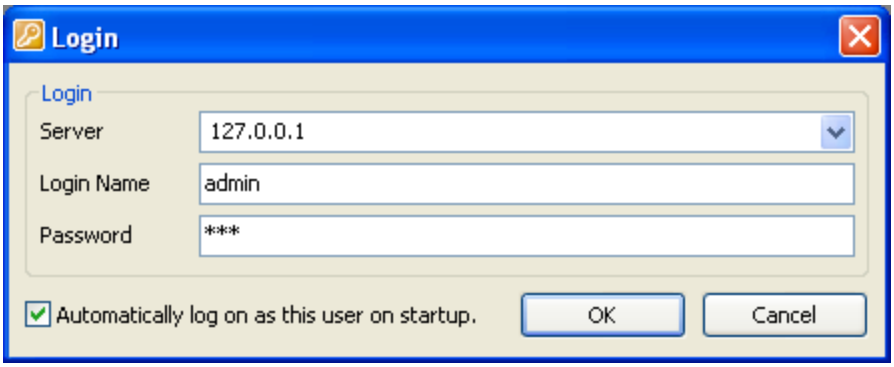

DVR Server
DVR Server
DVR Server
DVR Server
Network LAN / WAN
VCM Server
The VCM Server Service connects to the DVR Server Systems
VCM Client
The VCM Client Connects to the VCM Server Service and is used to configure VCM Server and display DVR Status
VCM Client
Many VCM Client stations can connect to the VCM Server without increased load on DVR Server Stations

2 System Requirements

PC Feature	Recommended
Operating System	Microsoft Windows XP Professional SP3 or Windows 7 Professional or Ultimate (32 or 64 bit)
CPU	Intel Core2 Duo, minimum 2.0 GHz
RAM	Minimum 2 GB
HDD	SATA (Minimum 50MB required for install)
Database	Microsoft SQL Desktop Engine

3 VCM Client Login

When the VCM Client is launched, the *Login* window will display. This window is used to connect to the VCM Server Service.



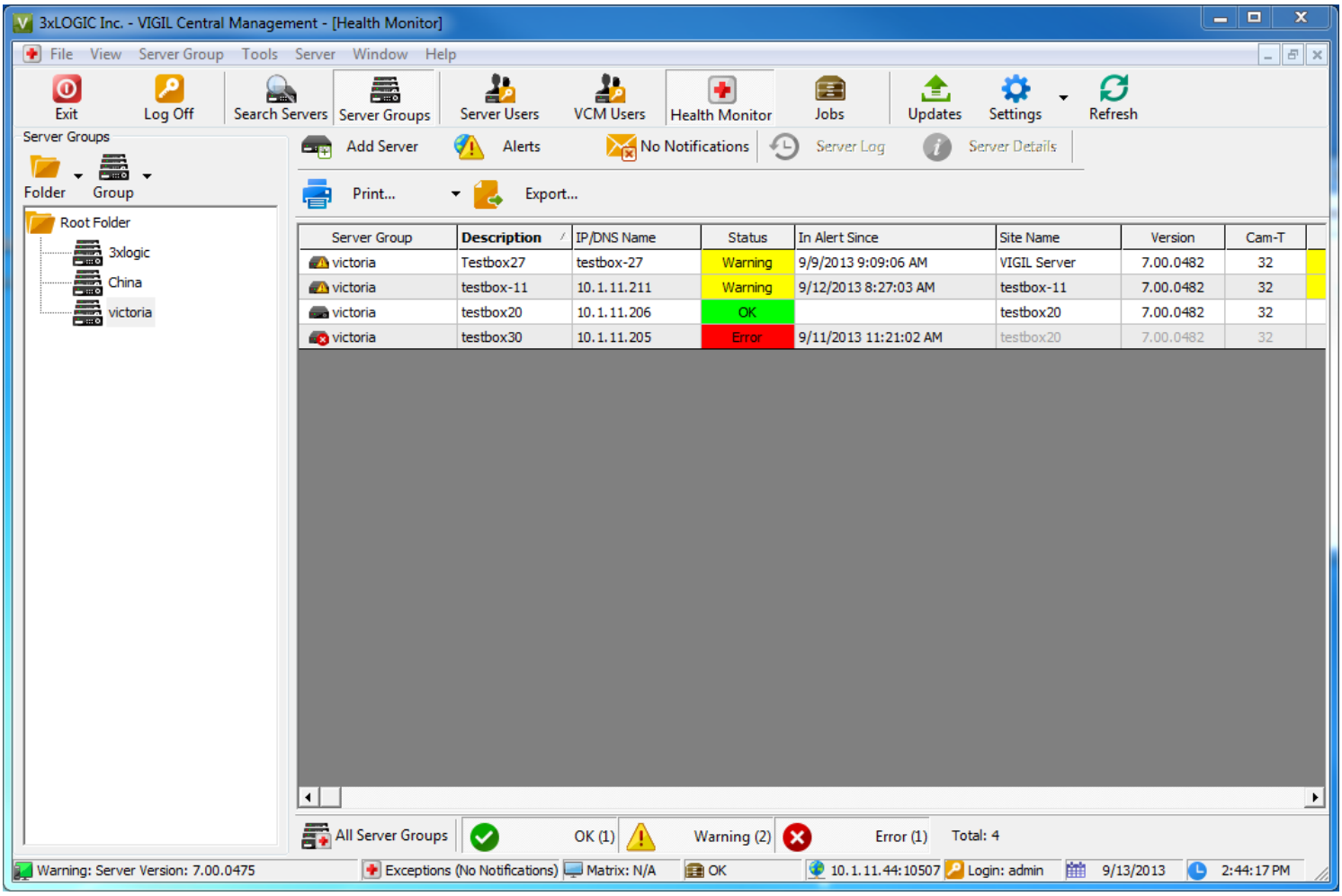
Server	The IP address or DNS name of the System running the VCM Server Service. If the Server Service is installed on the same system as the VCM Client, use the IP address "localhost". If the VCM Server Service is using a different port the format would be IP:Port. Clicking on the dropdown arrow will present a list of all VCM servers that have been successfully logged in.
User Name/Password	The Username and Password to login to the VCM Client. **Note:**The default Administrative user name and password for the VCM Service is 'Admin' and '123'. It is recommended to change this username on first run.
Automatically log on as this user on startup	When enabled, this feature will automatically log on as the specified user when VCM Client is launched.

Note:It is recommended to restart VIGIL VCM Server and Client monthly

Note:VCM Client uses Port 10507 to connect to the VCM Server Service. This can be changed by modifying the registry key HKLM\Software\CSI Tech\VCM\Port.

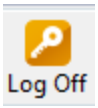
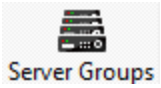
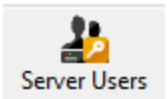
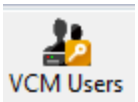
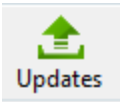
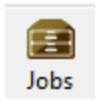
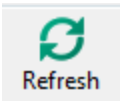
4 VCM Client Main Window

This is the main view of VIGIL VCM Client. The Health Monitor will be open by default.


3xLOGIC Inc. - VIGIL Central Management - [Health Monitor]
File View Server Group Tools Server Window Help
Exit Log Off Search Servers Server Groups Server Users VCM Users Health Monitor Jobs Updates Settings Refresh
Server Groups
Folder Group
Root Folder
3xlogic
China
victoria
Add Server Alerts No Notifications Server Log Server Details
Print... Export...
Server Group | Description | IP/DNS Name | Status | In Alert Since | Site Name | Version | Cam-T
victoria | Testbox27 | testbox-27 | Warning | 9/9/2013 9:09:06 AM | VIGIL Server | 7.00.0482 | 32
victoria | testbox-11 | 10.1.11.211 | Warning | 9/12/2013 8:27:03 AM | testbox-11 | 7.00.0482 | 32
victoria | testbox20 | 10.1.11.206 | OK | | testbox20 | 7.00.0482 | 32
victoria | testbox30 | 10.1.11.205 | Error | 9/11/2013 11:21:02 AM | testbox20 | 7.00.0482 | 32
All Server Groups OK (1) Warning (2) Error (1) Total: 4
Warning: Server Version: 7.00.0475
Exceptions (No Notifications) Matrix: N/A OK 10.1.11.44:10507 Login: admin 9/13/2013 2:44:17 PM

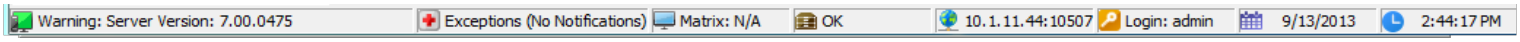
4.1 Icon Toolbar:

This table is a quick listing of the main toolbar buttons and their usage. Detail of each corresponding window is outlined in later sections.

	Exits the VIGIL VCM Client program. An exit confirmation window will appear.
	Logs off the current user. The VCM Server Service will continue to monitor configured VIGIL Servers and send out alerts.
	Opens the VIGIL Servers Window. This window will list all VIGIL Servers that the currently logged on User has access to. The List can be narrowed with Filters.
	Opens the VIGIL Server Groups Side Bar.
	Opens the VIGIL Server Users Window. In this window, VIGIL Servers that have Manage Access Control enabled will appear. The Users and Groups on the VIGIL Servers can be managed from this window.
	Opens the VCM Users Window. In this window, VCM Users are created and their access to VCM and VIGIL Server Groups is defined.
	Opens the Health Monitor window. This window provides at a glance and detailed Health Information about configured VIGIL Servers.
	Opens the Updates window. This window provides the ability to remotely configure the Update Services running on each VIGIL Server.
	Opens the Jobs window. This lists tasks that still need to be completed. This allows for unresponsive VIGIL Servers to still have the changes applied when the VIGIL Server becomes responsive.
	Opens the Settings window. This is the main configuration page for VIGIL VCM.
	Requests the latest VIGIL Server information from the VCM Server Service.

4.2 Status Bar:

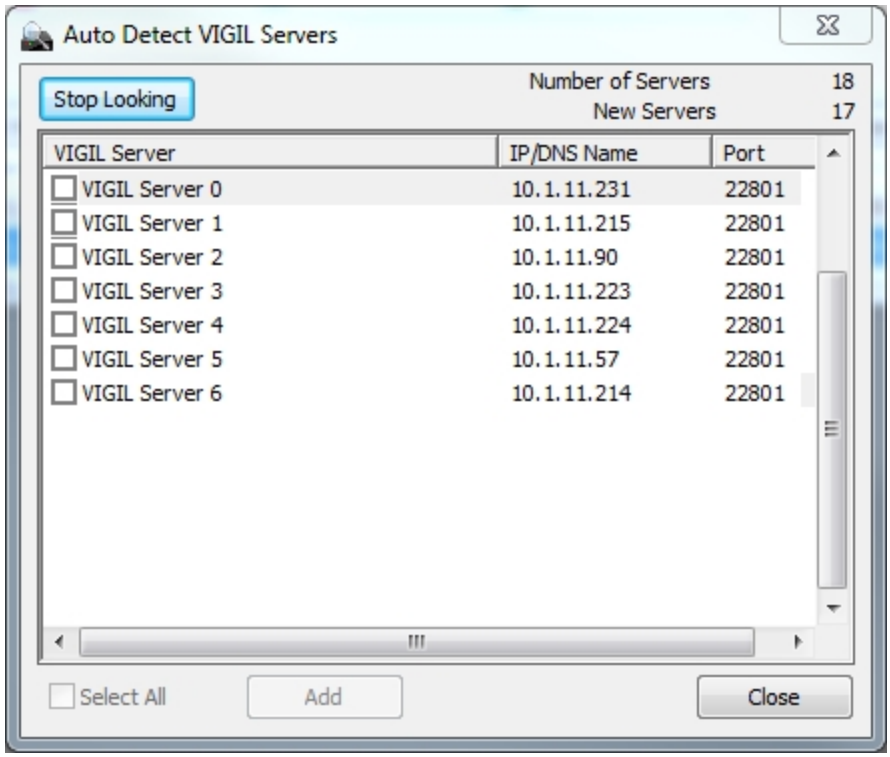
The Status Bar is located at the bottom of the VIGIL VCM Client Window.



Warning: Server Version: 7.00.0475	Gives the Server version number
Exceptions (No Notifications)	Shows Health Monitor Status. Click to open the Health Monitor window and the Error Alerts window.
Matrix: N/A	Displays the status of the connection to the matrix controller (if attached).
OK	Shows Jobs status. Click to open the Jobs window.
10.1.11.44:10507	Displays the VIGIL VCM Server that the VCM Client is currently connected to.
Login: admin	Displays the currently logged in user. Click to log off.
9/13/2013	Displays the current date. Click to open the Windows Date and Time Properties control.
2:44:17 PM	Displays the current time. Click to open the Windows Date and Time Properties control.

4.3 Auto Detect VIGIL Servers

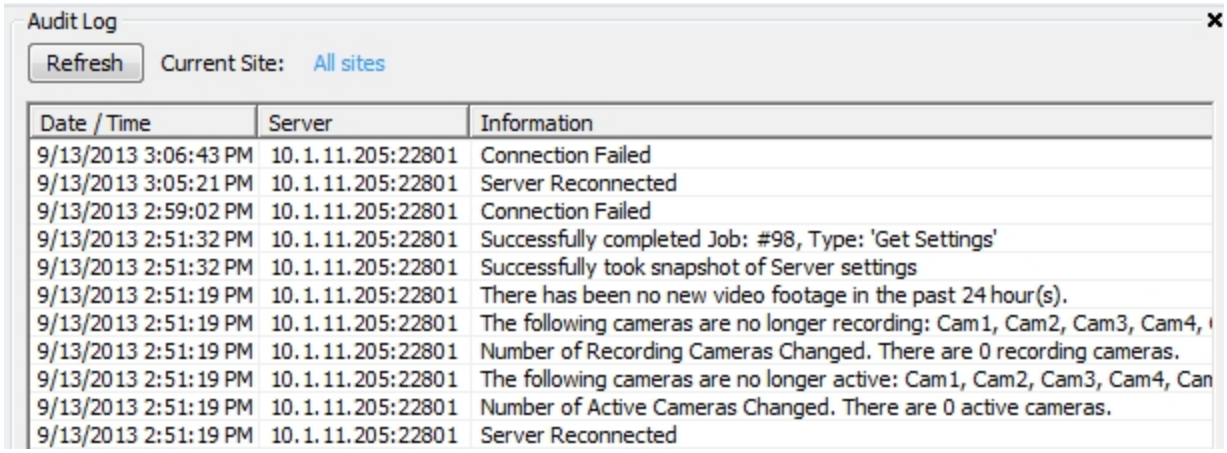
On the File menu item, select Auto Detect VIGIL Servers. Find all VIGIL Servers on the same network that have the option *Allow Auto Detect* enabled.



Start / Stop Looking	Click Start Looking to search for VIGIL Servers, and then click Stop Looking once all VIGIL Server's have appeared in the list.
Number of VIGIL Servers Found	The number of VIGIL Servers detected.
New VIGIL Servers	The number of VIGIL Servers detected that are not already configured in VIGIL VCM Server.
Add	Select the VIGIL Servers in the list to be added to VCM Server and click Add. If multiple servers are selected, settings can be configured for all VIGIL Servers.

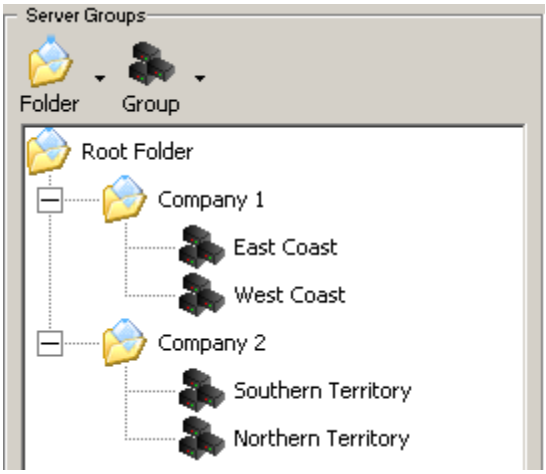
4.4 VCM Audit Log

Monitor activities in VCM via the *Audit Log*, which is located under the *View* menu bar item. Specific activities performed by VCM will be listed here along with their corresponding date/times and VIGIL Servers.

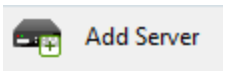


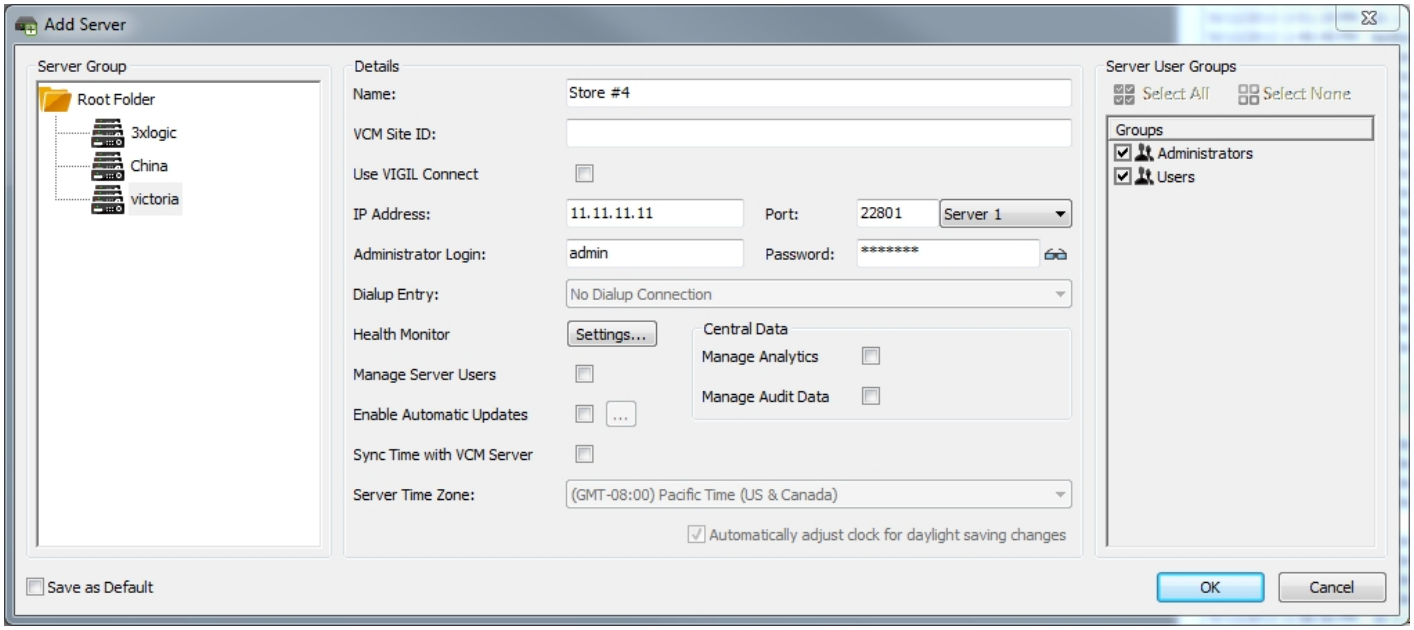
5 VIGIL Server Groups Sidebar

The VIGIL Server Groups Sidebar allows for VIGIL Servers to be grouped into Logical Groupings. There are two options available for these Logical Groupings, Folders and Groups. These groups are also used to set the ACL for VCM Users to determine which VIGIL Servers each VCM User has access to. At least one VIGIL Server Group must be configured to add VIGIL Servers to VCM.

<table>
<tr><td rowspan="2"> 
</td><td>Folders</td><td>Folders are used to organize VIGIL Server Groups in Logical Groups. Folders and Groups can be added to Folders. VIGIL Servers cannot be added to Folders.</td></tr>
<tr><td>Groups</td><td>Groups are containers for VIGIL Servers. Groups can only be added to Folders, they cannot be added to Groups.</td></tr>
<tr><td>Add / Edit</td><td colspan="2">Click ▼ and then select Add to add a Folder or Group, or select Edit to edit the currently selected Folder or Group.</td></tr>
<tr><td>Delete</td><td colspan="2">Click ▼ and then select Delete to delete the currently selected Folder or Group.
Note:This will delete all sub-folders, groups and VIGIL Servers that are below the currently selected Folder or Group in the Tree. This action cannot be undone.</td></tr>
</table>

6 Add / Edit VIGIL Servers

	Opens the *Add VIGIL Server* window. This window can also be accessed from the Main Toolbar *VIGIL Server* menu. At least one VIGIL Server Group must exist to add a VIGIL Server to VCM. The VIGIL Server Group will default to the currently selected VIGIL Server Group



VIGIL Server Group	Select the VIGIL Server Group that this VIGIL Server will be a member of. If a VIGIL Server Group is currently selected in the VIGIL Server Groups Sidebar, that group will be default selected when adding a new VIGIL Server.
Name	A Descriptive Name for the VIGIL Server.
IP Address	The IP Address or DNS Name of the VIGIL Server.
Port	The Data port for the VIGIL Server.
Administrator Login / Password	This is the Login of an Administrative account on the VIGIL Server. A valid administrative account on the VIGIL Server is required to add a VIGIL Server to VCM. Click on the goggles icon to view the password.
Dialup Entry	If the VIGIL Server is across a Dialup connection, select which Dialup connection to use.
Health Monitor	Click the Settings... button to configure the Health Monitor Settings for the VIGIL Server.

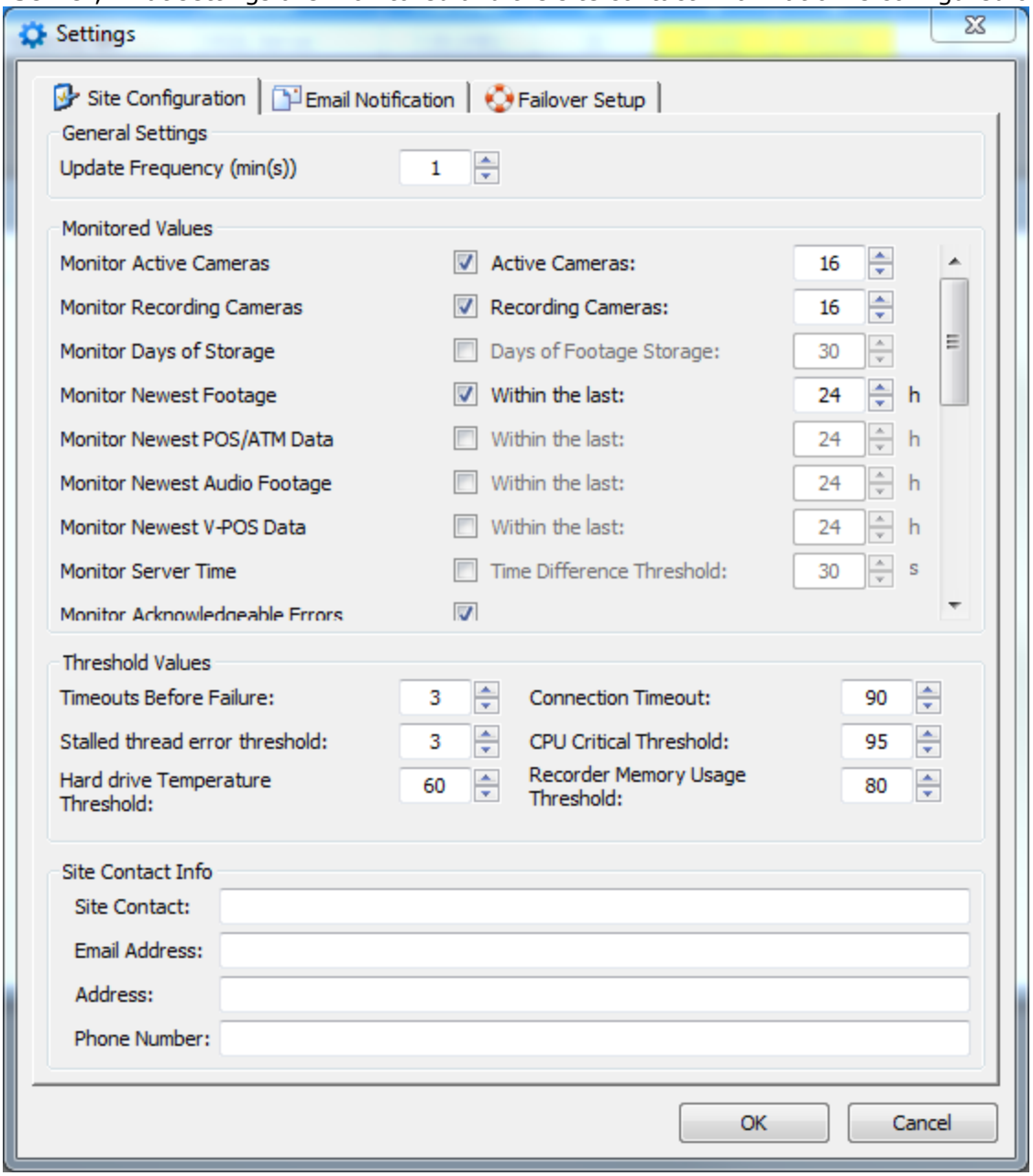
Manage VIGIL Server Users	Enable VIGIL Server User management. When this option is enabled, the VIGIL Servers Access Control Database will be synchronized with the VCM Server. All existing User and Group settings will be overwritten.
Enable Automatic Updates	Enable Update Configuration management. When this option is enabled, the VIGIL Servers Update Service settings will be synchronized with the update files configured in the Update File window.
Sync Time with VCM Server	Enable this option to sync the VIGIL Servers time with that of the VCM Server. When this option is enabled the VIGIL Servers time will be synchronized once per day at the time specified in the VCM Settings.
VIGIL Server Time Zone	Set the Time Zone that the VIGIL Server is in. When the VCM Server synchronizes the time, it will also ensure that the time zone is correct. Check the option to Automatically adjust the clock for daylight savings time changes.
VIGIL Server SQL Port	The SQL Port on the VIGIL Server. The default port is 1433.
Manage Analytics	Enable the copy of Video Analytics data from the VIGIL Server to the Central Data Database configured in the VCM Server Settings. When this option is enabled, only rules that have 'Allow data from this rule to sync to Central Database'.
Manage Audit Data	Enable the copy of User Audit data from the VIGIL Server to the Central Data Database configured in the VCM Server Settings.
Groups	Select which VIGIL Server User Groups will be pushed to the VIGIL Server.
Save as Default	Enable Save as Default to save the current configuration as the default for future VIGIL Servers.

6.1 Manage Health Settings

When adding a VIGIL Server and choose to Manage Health, click the Settings button to open the configuration window where you can configure the Health Monitor settings, Email Notification settings and configure Failover.

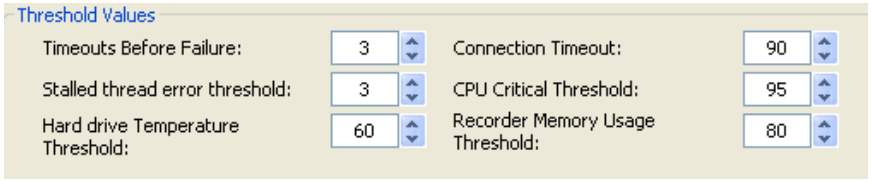
Site Configuration Tab

The type of VIGIL Server, what settings are monitored and the site contact information is configured on this tab.



Update Frequency	Set how often the VCM Server will poll the VIGIL Server for new information.
Monitor Active Cameras	Active Cameras are Cameras that are Configured and Actively connected to the VIGIL Server. Enable the Check Box and configure the expected number of Active Cameras, if the number of Active Cameras changes, the VIGIL Server will show as in Warning status.
Monitor Recording Cameras	Because some Active Cameras can be set to not record, the number of Recording Cameras can be different then the number of Active Cameras. Enable the Check Box and configure the expected number of Recording Cameras, if the number of Recording Cameras changes, the VIGIL Server will show as in Warning status.
Monitor Days of Storage	Days of Storage are measured by the oldest footage on the VIGIL Server. Enable the Check Box and configure the expected Days of Storage, if the VIGIL Server is not meeting or exceeding the this number, the VIGIL Server will show as in Warning status.
Monitor Newest Footage	Enable the Check Box and configure the number of hours. If the Newest Footage on the VIGIL Server is greater than the configured number of hours older than the current time, the VIGIL Server will show as in Warning status.
Monitor Newest POS/ATM Data	Enable the Check Box and configure the number of hours. If the Newest POS/ATM Data on the VIGIL Server is greater than the configured number of hours older than the current time, the VIGIL Server will show as in Warning status.
Monitor Newest Audio Footage	Enable the Check Box and configure the number of hours. If the Newest Audio Footage on the VIGIL Server is greater than the configured number of hours older than the current time, the VIGIL Server will show as in Warning status.
Monitor Newest V-POS Data	Enable the Check Box and configure the number of hours. If the Newest V-POS Data on the VIGIL Server is greater than the configured number of hours older than the current time, the VIGIL Server will show as in Warning status.
Monitor VIGIL Server Time	Enable this Check Box to Monitor the Time on the VIGIL Server. If the time is different from the time on the VCM Station based on the Time Difference Threshold the VIGIL Server will show as in Warning status.
Monitor Acknowledgeable Errors	Enable this Check Box to Monitor the VIGIL Server for Acknowledgeable Errors. If there are Acknowledgeable Errors that have not been Acknowledged, the VIGIL Server will show in Warning status.
Monitor VIGIL Server Version	Enable this Check Box and configure the Version number. If the version of the VIGIL Server does not match the configured version number, the VIGIL Server will show in a Warning status.

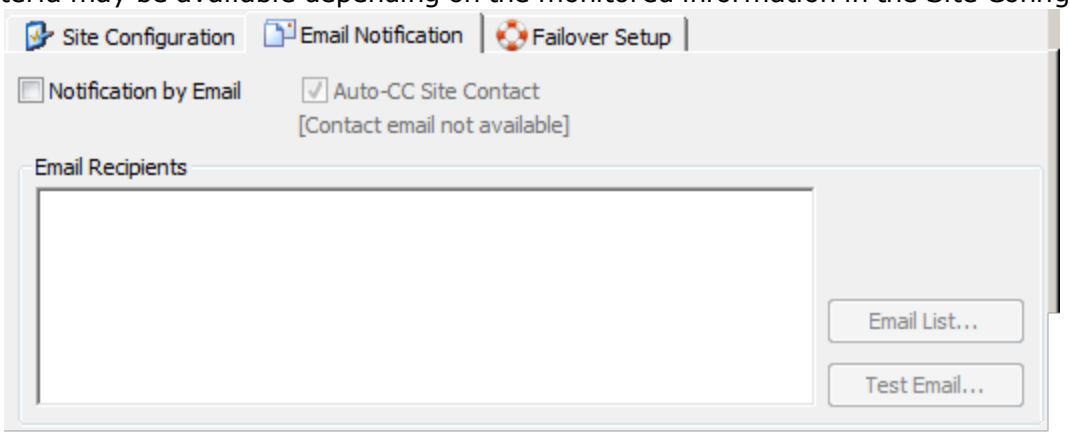
Monitor Analytics/Audit Data Copy	Enable this Checkbox to monitor the VIGIL Server for errors copying analytic/audit data. If more than the acceptable number of errors are displayed, the VIGIL Server will show a Warning status in Health Monitor.
Monitor Newest Copied Data	Enable this Checkbox to monitor whether or not data has been copied from the VIGIL Server to VCM in a variable amount of time. The VIGIL Server will go into error mode if more than the selected timeslot has passed without any data being copied.



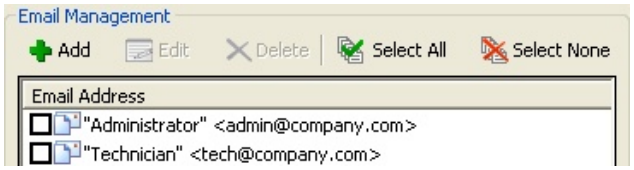
Timeouts Before Failure	The number of Timeouts that must occur before a the connection to the VIGIL Server is considered to be lost. If this occurs the VIGIL Server will show in an Error status.
Connection Timeout	The length of time in seconds before a timeout occurs between the VIGIL Server and the VCM Server Service.
Stalled thread error threshold	The VCM Server Service monitors the state of stalled threads (this relates to analog capture cards). If a stalled thread is detected for the configured number of connection attempts (via the Update Frequency setting), the VIGIL Server will show in a Warning status.
CPU Critical Threshold	The VCM Server Service monitors the CPU utilization on the VIGIL Server. If the CPU utilization exceeds the configured percentage, the VIGIL Server will show in a Warning status.
Hard drive Temperature Threshold	The VCM Server Service monitors the Hard Drive temperatures on the VIGIL Server. If a Hard Drive on the VIGIL Server exceeds the configured Temperature, the VIGIL Server will show in a Warning status. The Hard Drive details can be seen on the VIGIL Server Details tab.
Recorder Memory Usage Threshold	The VCM Server Service monitors the Memory usage of the Main Process on the VIGIL Server. If the memory usage exceeds the configured percentage, the VIGIL Server will show in a Warning status.
Site Contact Info	Configure the Name, Email Address, Physical Address and Phone Number for the Site. This information will be included in all email notifications sent from the VCM Server regarding this VIGIL Server.

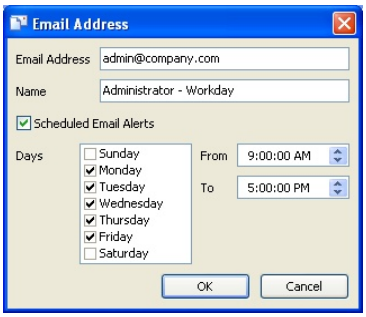
Email Notification Tab

Email Addresses and what Warning / Error conditions will trigger an Email Alert are configured on this tab. An email will be sent to each recipient in the list and/or the custom alert will be executed when any of the enabled criteria are satisfied. Not all criteria may be available depending on the monitored information in the Site Configuration tab.



Notification by Email	Check to enable Email Notification for this VIGIL Server. An SMTP Server must be configured in the VCM Settings for emails to be sent.
Auto-CC Site Contact	Check to always CC the email address configured in the Site Contact section of the Site Configuration Tab. The email address of the site contact is listed to the right of this option.
Email Recipients	The list of email addresses that Notifications will be sent to.
Email List	Opens the Email List where were email addresses can be added or removed from the Email Recipients for the VIGIL Server. This list is global for all VIGIL Servers configured in the same Group.



Add / Edit	**Email Address**	Enter the email address for the recipient.	
	Name	Enter the name of the recipient.	
	Scheduled Email Alerts	Check this option for email alerts to be sent during scheduled times only. Check off desired days and to and from times.	

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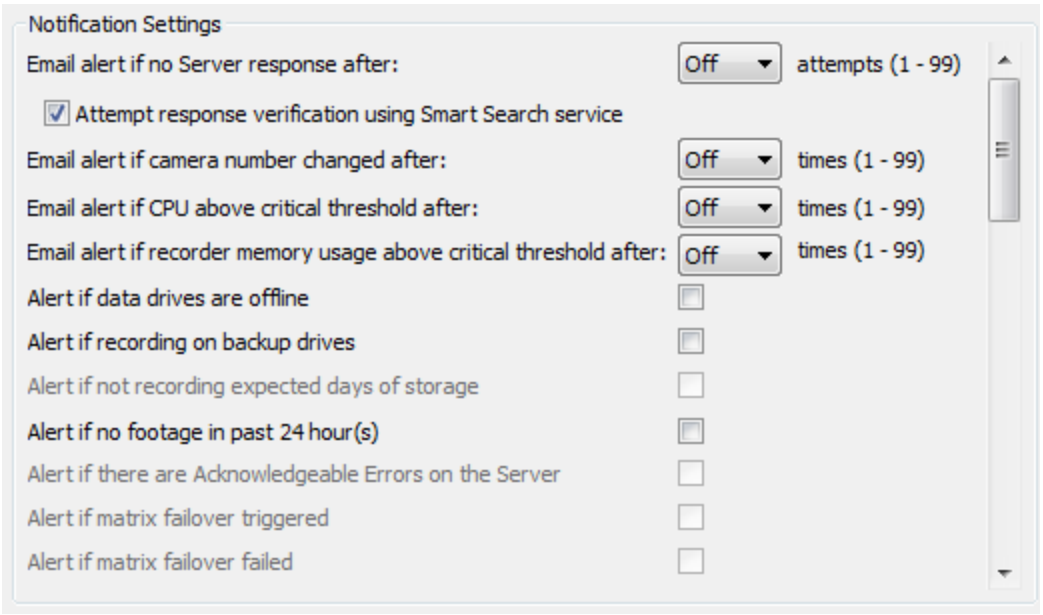
Delete	Delete the selected email address. Due to the list being shared by the entire VIGIL Server Group, deleting an email address will remove it from all VIGIL Servers in that group.
Select All / None	Select all or none of the email addresses in the list.

Custom Alert Command	When enabled, allows for an alternative means of notification to be used. This application would need to be customer written for the purpose. The first box is for the application path and the second box is for any parameters. This function does not support any applications that utilize a GUI.


Notification Settings
Email alert if no Server response after:
Off
attempts (1 - 99)
Attempt response verification using Smart Search service
Email alert if camera number changed after:
Off
times (1 - 99)
Email alert if CPU above critical threshold after:
Off
times (1 - 99)
Email alert if recorder memory usage above critical threshold after:
Off
times (1 - 99)
Alert if data drives are offline
Alert if recording on backup drives
Alert if not recording expected days of storage
Alert if no footage in past 24 hour(s)
Alert if there are Acknowledgeable Errors on the Server
Alert if matrix failover triggered
Alert if matrix failover failed

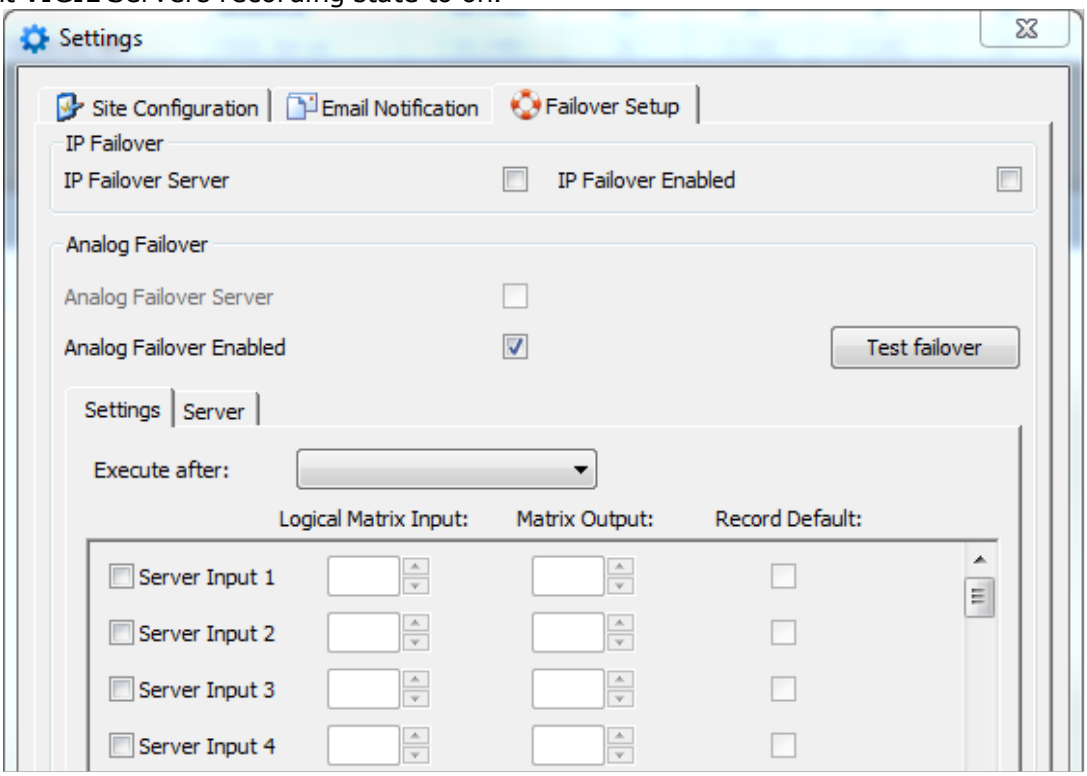
Email alert if no VIGIL Server response after	Configure the number of failed connection attempts before a notification email will be sent. This setting attempts to communicate with the VIGIL.exe process.
Attempt response verification using Smart Search service	Check this option to add a secondary check to the VIGIL Server response option. This setting will attempt to communicate with the Smart Search service. If the VCM Server cannot communicate with the VIGIL.exe and Smart Search processes, this could indicate a network problem between the VCM Server and VIGIL Server. If the VCM Server cannot communicate with the VIGIL.exe process, but can communicate with the Smart Search service, this could indi-

	cate that the VIGIL Server has experienced a problem, but the computer and network are still functioning.
Email alert if camera number changed after	Configure the number of consecutive connections reporting an incorrect number of active or recording cameras. Once this is reached a notification email will be sent.
Email alert if CPU above critical threshold after	Configure the number of consecutive connections reporting the VIGIL Server CPU above the percentage configured on the Site Configuration tab. Once this is reached a notification email will be sent.
Email alert if recorder memory usage above critical threshold after	Configure the number of consecutive connections reporting the memory usage of the main VIGIL Server process above the percentage configured on the Site Configuration tab. Once this is reached a notification email will be sent.
Alert if data drives are offline	Enable this option to send an email notification if any of the VIGIL Servers configured Data Drives are offline.
Alert if recording on backup drives	Enable this option to send an email notification if the VIGIL Server is recording to the Backup Drive.
Alert if not recording expected days of storage	Enable this option to send an email notification if the Days of Storage on the VIGIL Server are not meeting the Days of Storage configured on the Site Configuration tab.
Alert if no footage in the past xx hour (s)	Enable this option to send an email notification if the VIGIL Server has not recorded any new footage for the amount of hours set on the Site Configuration tab.
Alert if there are Acknowledgeable Errors on the VIGIL Server	Enable this option to send an email notification if there are Acknowledgeable errors on the VIGIL Server.
Alert if matrix failover triggered	Enable this option to send an email notification if a matrix failover event has occurred and completed successfully. This option requires that Failover be enabled. Failover requires analog cameras and a matrix switch.
Alert if matrix failover failed	Enable this option to send an email notification if a matrix failover event has occurred and failed. This option requires that Failover be

	enabled. Failover requires analog cameras and a matrix switch.
Alert if VIGIL Server version out of sync	Enable this option to send an email notification if the version of the VIGIL Server is different from the version configured on the Site Configuration tab.
Alert if Hard Drive temperature has failed	Enable this option to send an email notification if a Hard Drive on the VIGIL Server has exceeded the temperature configured on the Site Configuration tab.
Alert if VIGIL Server time out of sync	Enable this option and configure the amount of seconds that the time on the VIGIL Server can be different from the VCM Server before an email notification will be sent.
Alert if Analytics/Audit data copy failed	Enabling this option will send a warning email if analytics/audit data fails to properly copy from the VIGIL Server to VCM's database.

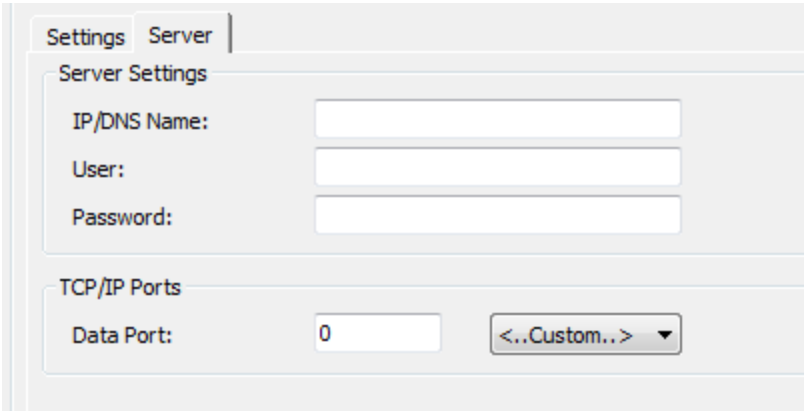
Failover Setup Tab

Failover is a redundancy operation that will automatically switch analog or IP camera recording from a Primary VIGIL Server to a Redundant VIGIL Server via a Matrix Switch. When the failover is executed, VCM Server executes a command on the Matrix Switch that will switch the specified logical matrix inputs to the specified monitor outputs and then sets the Redundant VIGIL Servers recording state to on.



IP Failover VIGIL Server	Enable this option to indicate that this VIGIL Server is used solely for the purposes of IP camera failover. If not being used to fail over data from another VIGIL Server, it will not record any footage.
IP Failover Enabled	Enable this option to enable the Failover feature for this VIGIL Server for IP cameras only.
Test Failover	This will execute a failover for 30 seconds and then resume normal recording.
Analog Failover VIGIL Server	Enable this option to indicate that this VIGIL Server is used solely for the purposes of Analog camera failover. If not being used to fail over data from another VIGIL Server, it will not record any footage.

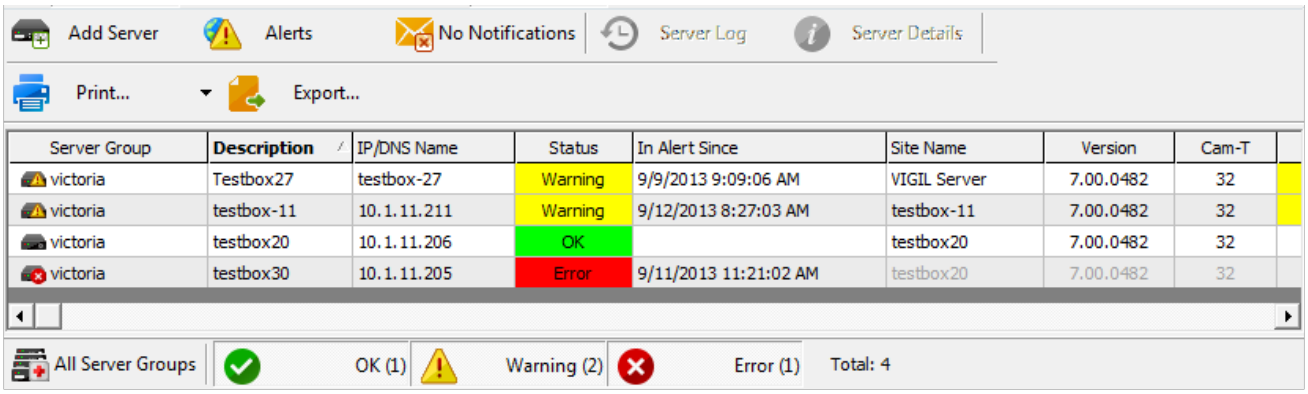
Analog Failover Enabled	Enable this option to enable the failover feature for this VIGIL Server for analog cameras only.
Execute After	Set the number of consecutive failures before a Failover will be executed. This can be set between 1 and 30 failures.
VIGIL Server Input #	The VIGIL Server Input Number (Camera #) on the Redundant VIGIL Server that will be recording the video footage from the Matrix Output.
Logical Matrix Input	The Input number on the Matrix Switch that connects to the Primary VIGIL Server.
Matrix Output	The Output number on the Matrix Switch that connects to the Redundant VIGIL Server.
Record Default	If the Redundant VIGIL Server is normally recording another camera on the selected input, enable the Record Default option on. While the Primary VIGIL Server is in Failover mode to the Redundant VIGIL Server, the normally recorded inputs on the Redundant VIGIL Server will not be recorded.



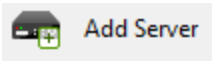
IP/DNS Name	Enter the IP Address or DNS Name for the Redundant VIGIL Server.
User / Password	Enter the Username and Password on the Redundant VIGIL Server.
Data Port	Enter the Data Port of the Redundant VIGIL Server.

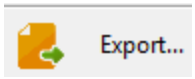
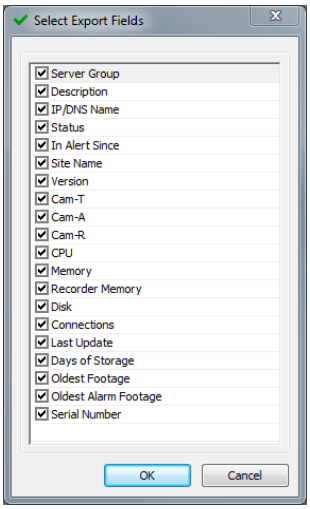
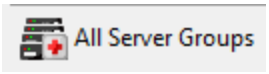
7 Health Monitor

The Health Monitor window provides '*at a glance*' information about all configured VIGIL Server. This is the Primary Window for managing the VIGIL Servers that are monitored by the VCM Server.



7.1 Health Monitor Toolbars

	Opens the *Add VIGIL Server* window. This window can also be accessed from the Main Toolbar *VIGIL Server* menu. At least one VIGIL Server Group must exist to add a VIGIL Server to VCM. The VIGIL Server Group will default to the currently selected VIGIL Server Group.
	Click to open the Health Monitor Error Alert window. This window displays all VIGIL Servers in a Warning or Error status.
Notification/No Notifications	Toggles email notification for Error events On or Off. When toggle notifications off, a prompt will appear to confirm and then the Suppress Email Notification window is opened.
	Select how long the suppression of email notifications will last. To make the term indefinite, check Never Expires.
Server Log	Toggles the VIGIL Server Log side window. This window contains the Event Log for the selected VIGIL Server.
Server Details	Toggles the VIGIL Server Details side window for the selected VIGIL Server.
	Print VIGIL Server Site Information for the currently selected view. Click the ▾ button to print VIGIL Server Details for the currently selected VIGIL Server.

	Export VIGIL Server Site Information for the currently selected view. Can be exported as HTML, Text File or as a Comma Separated File.	
	Click this button to select the Root Folder which will display all in the Health Monitor Window.	
# of Healthy Server	This option has two functions, the (#) indicates the current number of VIGIL Servers that are in an OK status, this is a global number. When the option is toggled on, VIGIL Servers that are in an OK Status will display in the Health Monitor window. When this option is toggled off, VIGIL Servers that are in an OK Status will not display in the Health Monitor window.	
# of Server Warnings	This option has two functions, the (#) indicates the current number of VIGIL Servers that are in a Warning status, this is a global number. When the option is toggled on, VIGIL Servers that are in a Warning Status will display in the Health Monitor window. When this option is toggled off, VIGIL Servers that are in a Warning Status will not display in the Health Monitor window.	
# of Server Errors	This option has two functions, the (#) indicates the current number of VIGIL Servers that are in an Error status, this is a global number. When the option is toggled on, VIGIL Servers that are in an Error Status will display in the Health Monitor window. When this option is toggled off, VIGIL Servers that are in an Error Status will not display in the Health Monitor window.	
Total: 8	Display the total number of VIGIL Servers configured in the VCM Server.	

7.2 Health Monitor Status Display

This table displays 'at a glance' information for each VIGIL Server that is currently being monitored. This list can be filtered by VIGIL Server Group and / or Status.

Server Group	Description	IP/DNS Name	Status	In Alert Since	Site Name	Version	Cam-T
victoria	Testbox27	testbox-27	Warning	9/9/2013 9:09:06 AM	VIGIL Server	7.00.0482	32
victoria	testbox-11	10.1.11.211	Warning	9/12/2013 8:27:03 AM	testbox-11	7.00.0482	32
victoria	testbox20	10.1.11.206	OK		testbox20	7.00.0482	32
victoria	testbox30	10.1.11.205	Error	9/11/2013 11:21:02 AM	testbox20	7.00.0482	32

In Alert Since	Displays the Time and Date that the VIGIL Server entered a Warning or Error State.	
Status	OK	Shows when the VIGIL Server is Online and not experiencing any errors.
	Warning	The VIGIL Server will show as Warning when a non critical error state exists on the VIGIL Server, such as Camera Number Mismatch or CPU Usage.
	Warning	The VIGIL Server is in a Warning state, but the error has been acknowledged.
	Error	The VIGIL Server will show as Error when a critical error state exists, such as No Cameras Recording or the VCM Server Service cannot connect to the VIGIL Server.
	Error	The VIGIL Server is in an Error state, but the error has been acknowledged.
	Offline	The VIGIL Server has not been successfully connected to by VCM.
VIGIL Server Group	The VIGIL Server Group that the VIGIL Server is a member of.	

Description	The Descriptive Name of the VIGIL Server.
IP / DNS Name	The IP Address or DNS Name of the VIGIL Server.
Last Update	The Date / Time of the last time the VCM Server Service polled the VIGIL Server.
Site Name	The Site Name listed in the VIGIL Server Settings.
Version	The Version of the VIGIL Server software.
Cam-T	The total possible number of camera inputs on the VIGIL Server.
Cam-A	The total number of active camera inputs on the VIGIL Server.
Cam-R	The total number of currently recording cameras on the VIGIL Server.
CPU	The current CPU usage on the VIGIL Server.
Memory	The current memory usage on the VIGIL Server. Listed as committed/total available.
Recorder Memory	The current memory usage of the VIGIL.exe process on the VIGIL Server. Listed as committed/total allowed.
Disk	The current disk usage on the VIGIL Server. Listed as used/total available.
Connections	The current / total available connections on the VIGIL Server.
Days of Storage	The current / expected days of video footage stored on the VIGIL Server.
Oldest Footage	The Date / Time of the oldest video footage stored on the VIGIL Server.
Oldest Alarm Footage	The Date / Time of the oldest Alarm video footage stored in an Alarm Reserved portion of a video storage drive on the VIGIL Server.
Serial Number	The Serial number of the VIGIL Server.

7.3 Health Monitor Error Alerts

The Health Monitor Error Alerts window displays all VIGIL Servers that are currently in a Warning or Error status.

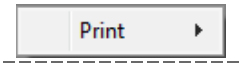
Server Group	Description	IP/DNS Name	Status	In Alert Since	Site Name	Version	Cam-T
victoria	Testbox27	testbox-27	Warning	9/9/2013 9:09:06 AM	VIGIL Server	7.00.0482	32
victoria	testbox-11	10.1.11.211	Warning	9/12/2013 8:27:03 AM	testbox-11	7.00.0482	32
victoria	testbox20	10.1.11.206	OK		testbox20	7.00.0482	32
victoria	testbox30	10.1.11.205	Error	9/11/2013 11:21:02 AM	testbox20	7.00.0482	32

Delete / All	Delete the Selected (All) Warning / Alert.
Acknowledge / All	Acknowledge the Selected (All) Warning / Alert.
VIGIL Server Group	The VIGIL Server Group that the VIGIL Server is a member of.
Description	The Descriptive name of the VIGIL Server.
IP / DNS Name	The IP Address or DNS Name of the VIGIL Server.
Status	The Error Status of the VIGIL Server.
In Alert Since	The Date / Time that the Warning / Alert occurred.
Failover Attempts	When a VIGIL Server configured for Failover enters an Error state, the Health Monitor waits for the specified number failures before executing the Failover. This is displayed as: <number of failures> / <number of failures before Failover>, for example: 2/3. To execute an immediate failover, right click *Failover Attempts* and select *Execute Failover*. To stop the Failover from occurring, right click *Failover Attempts* and select *Ignore Failover*. To re-enable, right click *Failover Attempts* and select Re-Enable Failover. When the Failover is successful, *Executed* is displayed. This means that the Failover command has been executed on the Matrix Controller and turned on recording on the Redundant VIGIL Server. If the Failover is not successful, *Failed* will display. Right click on *Executed* to display a detailed Failover report.

7.4 VIGIL Server Menu / Right Click Menu

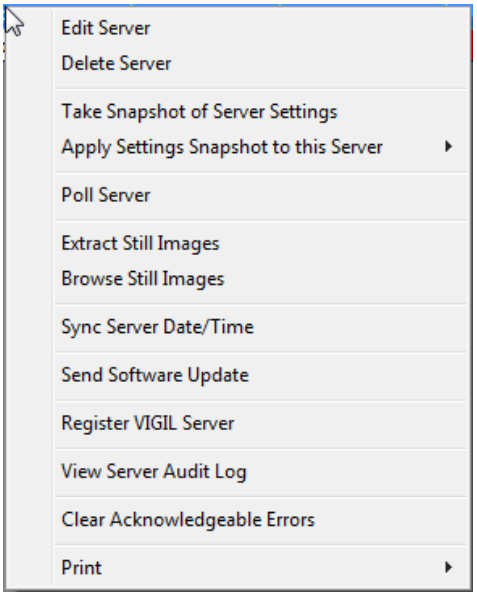
The VIGIL Server menu is a context sensitive list of options, these options can be accessed from the VIGIL Server Tool-bar menu, or by right clicking on a VIGIL Server in the Health Monitor window. There are two different context menus, depending on whether a VIGIL Server is selected or not.

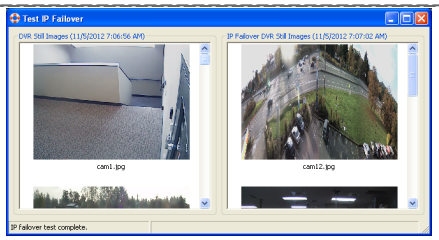
No VIGIL Server Selected:

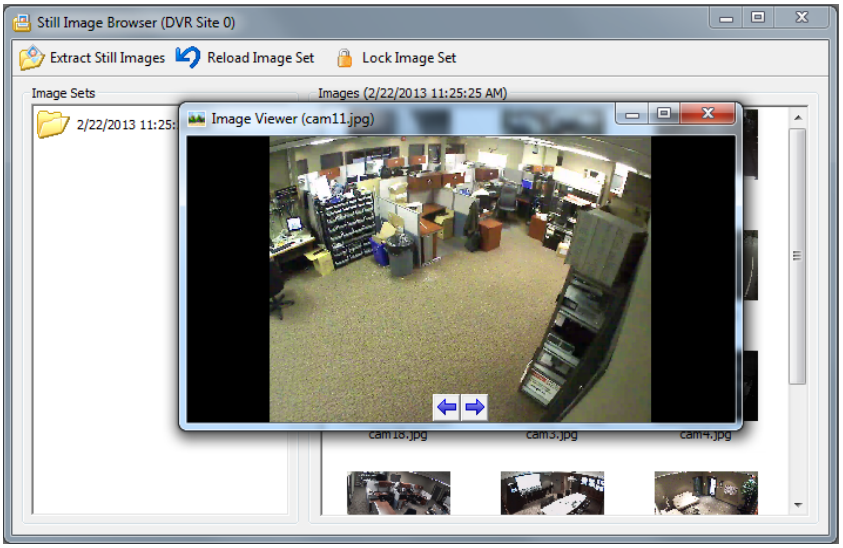
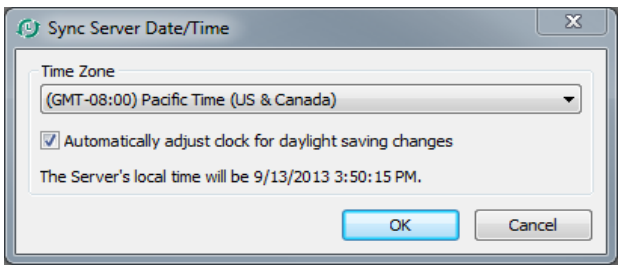


Print	Print VIGIL Server Site Information for the currently selected view, or VIGIL Server Details for the currently selected VIGIL Server.

With VIGIL Server Selected:



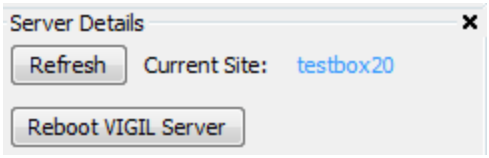
Edit VIGIL Server	Open the Add VIGIL Server window or the Edit VIGIL Server window for the currently selected VIGIL Server.
Delete VIGIL Server	Delete the currently selected VIGIL Server. This will delete all associated data collected (Analytics, User Audit etc), settings snapshots and still images. A confirmation dialog box will appear to confirm the deletion.
Take Snapshot of VIGIL Server Settings	Create a backup of the VIGIL Server settings. Up to 10 Snapshots of the VIGIL Server settings can be stored to create a history of changes.
Apply Settings Snapshot to this VIGIL Server	Select a VIGIL Server Settings Snapshot from the Cascading sub menu. This will apply the Settings to the VIGIL Server. When the settings have applied, the VIGIL Server will reboot to complete the changes.
Poll VIGIL Server	Refresh the current status of the selected VIGIL Server.
Test IP Failover	Tests the IP failover configuration. The system doing the test will either send or receive images from a failover VIGIL Server that is attached to VCM. 
Extract Still Images	Copy a still image of each camera enabled on the VIGIL Server

	and stores them in: C:\Program Files\VIGIL\VCM\ServerIP.port
Browse Still Images/ Still Image Viewer	Opens the *Still Image Browser* containing all still images taken from configured VIGIL Servers in Health Monitor. Within the browser you can *Extract Still Images* to a location on your computer or network, *Reload Image Set* to load a fresh set of still images, or *Lock Image Set* to lock the current set of images, preventing them from being overwritten. Double click on a still to open the Still Image Viewer. Drag your cursor over the bottom of the image displayed in the still image viewer to bring up the Previous and Next arrows to browse through your stills in the image viewer. 
Set VIGIL Server Date/Time	Opens the Set VIGIL Server Date/Time window for the selected VIGIL Server. Select the correct Time Zone that the VIGIL Server is in to update the time and date on the VIGIL Server. 
Send Software Update	Select this option and browse to the desired update (.vgl) file for the VIGIL Server. The update file will be transferred to the VIGIL Server and then executed. The VIGIL Server will reboot twice dur-

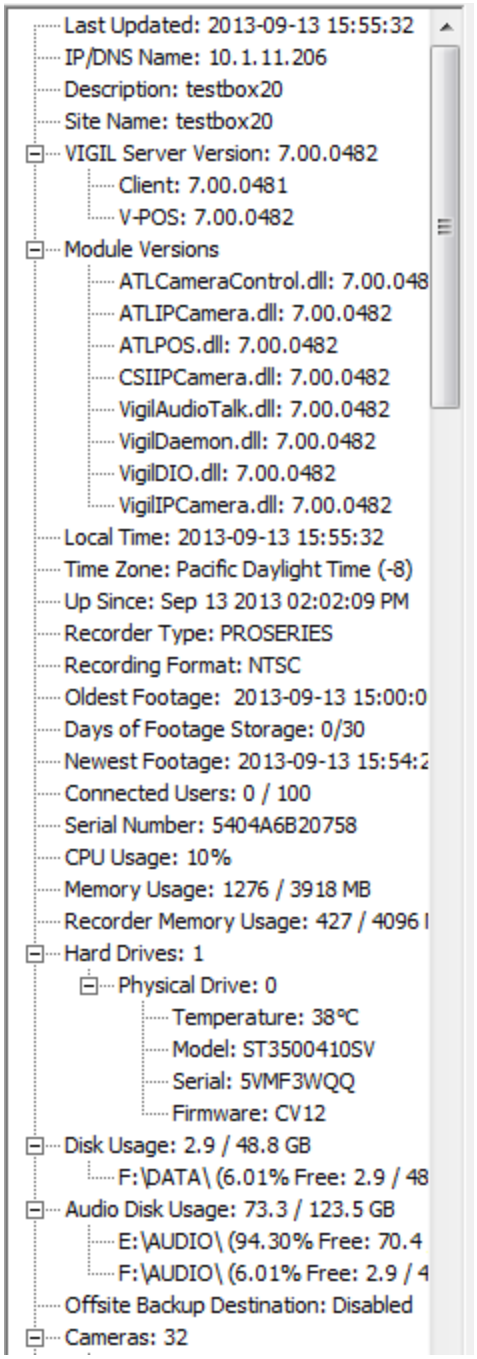
	ing this update process.
Register VIGIL Server	Launches the Registration window for the VIGIL Server in question, allowing the remote registration of that system.
View VIGIL Server Audit Log	Launches the *Audit Log Viewer*. See VIGIL Server user's manual for more information on the correct use of the *Audit Log Viewer*.
Clear Acknowledgeable Errors	Clears all acknowledgeable errors in the queue.
Print	Print VIGIL Server Site Information for the currently selected view, or VIGIL Server Details for the currently selected VIGIL Server.

7.5 VIGIL Server Details

The VIGIL Server Details sidebar contains information about the selected VIGIL Server.



Refresh	Click Refresh to force an update of the VIGIL Server Details Log.
Current Site	The Descriptive name of the Selected VIGIL Server.
Reboot VIGIL Server	Click this button to Reboot the Selected VIGIL Server.

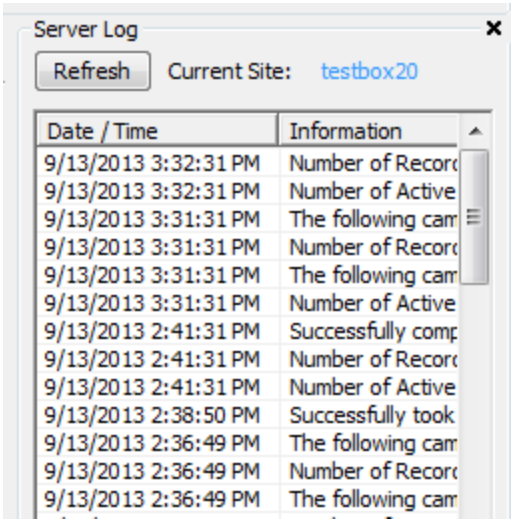


Last Updated	The last time the VCM Server Service refreshed this VIGIL Servers status.
IP / DNS Name	The IP Address or DNS Name of the VIGIL Server.
Description	The Descriptive name of the VIGIL Server.
Site Name	The Site Name listed in the VIGIL Server Settings.
VIGIL Server Version	The Version of the VIGIL Server software.
Module Version	Displays the version information for the displayed module DLL files.
Time Zone	The Time zone the VIGIL Server is in.
Up Since	The last time the VIGIL Server was restarted.
Recorder Type	The VIGIL Server Recorder type. Shows the type of capture card installed in the VIGIL Server. Displays NVR when no capture card is installed in the VIGIL Server.
Recording Format	The video recording format being recorded, NTSC or PAL.
Oldest Footage	The Date / Time of the oldest video footage stored on the VIGIL Server.
Days of Footage Storage	The current / expected days of video footage stored on the VIGIL Server.
Newest Footage	The Date / Time of the newest video footage stored on the VIGIL Server.
There are Acknowledgeable Errors on the VIGIL Server. This only shows if the option is checked to monitor this.	
Connected Users	The current / total available connections on the VIGIL Server.

	Serial Number	The Serial number of the VIGIL Server.
	CPU Usage	The current CPU usage on the VIGIL Server.
	Memory Usage	The current memory usage on the VIGIL Server. Listed as committed/total available.
	Recorder Memory Usage	The current memory usage of the VIGIL.exe process. Listed as committed/total available.
	Hard Drives	The number of Hard Drives in the VIGIL Server. Click the + to display details for each Hard Drive, Temperature, Model, Serial number and Firmware version.
Disk Usage	The total Disk Space configured on the VIGIL Server. Listed as Current Used / Total. Click the + to display details for each partition: Drive Letter\Path, % used, Free Space / Total.	
Offsite Backup Destination	If an Offsite Backup destination is configured on the VIGIL Server, the destination path and amount of space remaining is listed.	
Cameras	The total number of Registered camera inputs on the VIGIL Server. Click + to display the number of Active and Recording Cameras. For each camera input, the following information is listed:	
	Type	The type of camera connected. Analog or Network.
	Enabled	If recording is currently enabled.
	Active	If the camera input is currently receiving a signal.
	Recording	If the camera is currently recording.
	Recording Mode	The recording mode for the camera input: motion, constant, alarm, schedule.
	Recording Speed	The FPS currently being recorded.
	Compression	The compression settings for the camera input. Displays as N/A for network camera types.
	Resolution	The resolution of the camera input.

7.6 VIGIL Server Log

The VIGIL Server Log details any jobs that the VCM Server runs on the VIGIL Server as well as any time the VCM Server detects the VIGIL Server varying from the configured Health Monitor Settings.



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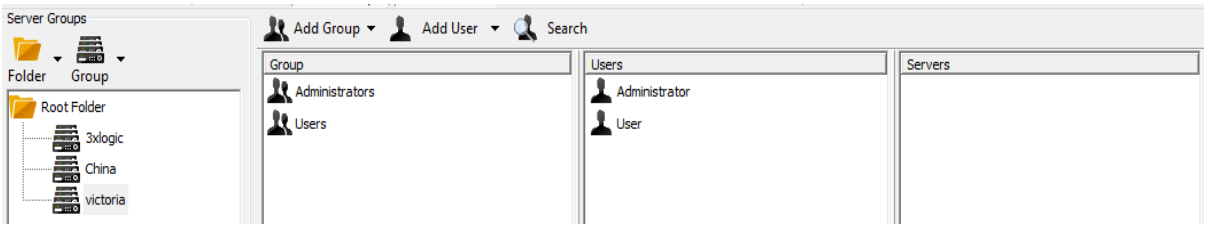
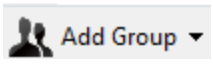
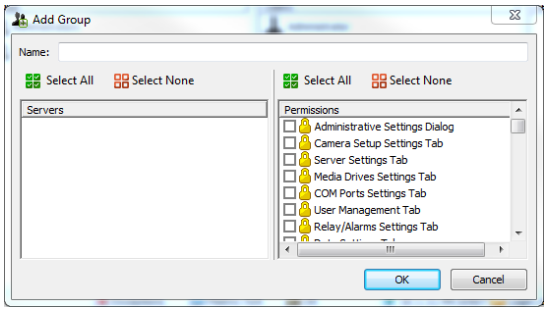
8 VIGIL Server Users

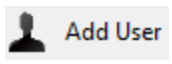
VIGIL Server Users and VIGIL Server User Groups for VIGIL Server are managed on each individual VIGIL Server. VCM Server allows the VIGIL Server Users and VIGIL Server User Groups to be configured on the VCM Server system and then pushed to the VIGIL Server.



VIGIL Server Groups Sidebar	VIGIL Server Users and Groups are unique to each VCM VIGIL Server Group. When you open the VIGIL Server Users window, the VIGIL Server Groups Sidebar will also open. Select a VIGIL Server Group to see the associated VIGIL Server Groups and Users.
	Opens the Add Group window. Click the ▾ button to edit or delete the currently selected group. In VIGIL Server, permissions are applied to Groups. Users gain permissions by being members of groups.



Name	A descriptive name for the VIGIL Server User Group.
VIGIL Servers	The VIGIL Servers in the currently selected VIGIL Server Group that have Manage VIGIL Server Users enabled. Check the boxes for the VIGIL Servers to send this VIGIL Server User Group to.
Permissions	Select which permissions will be applied to this VIGIL Server User Group.

	Opens the Add User window. Click the ▾ button to edit or delete the currently selected user. In VIGIL Server, users gain permissions by being members of groups.

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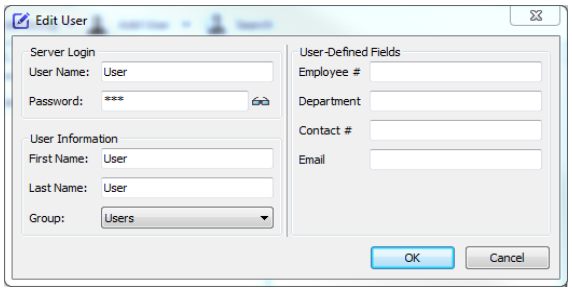
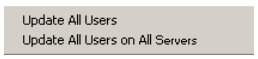
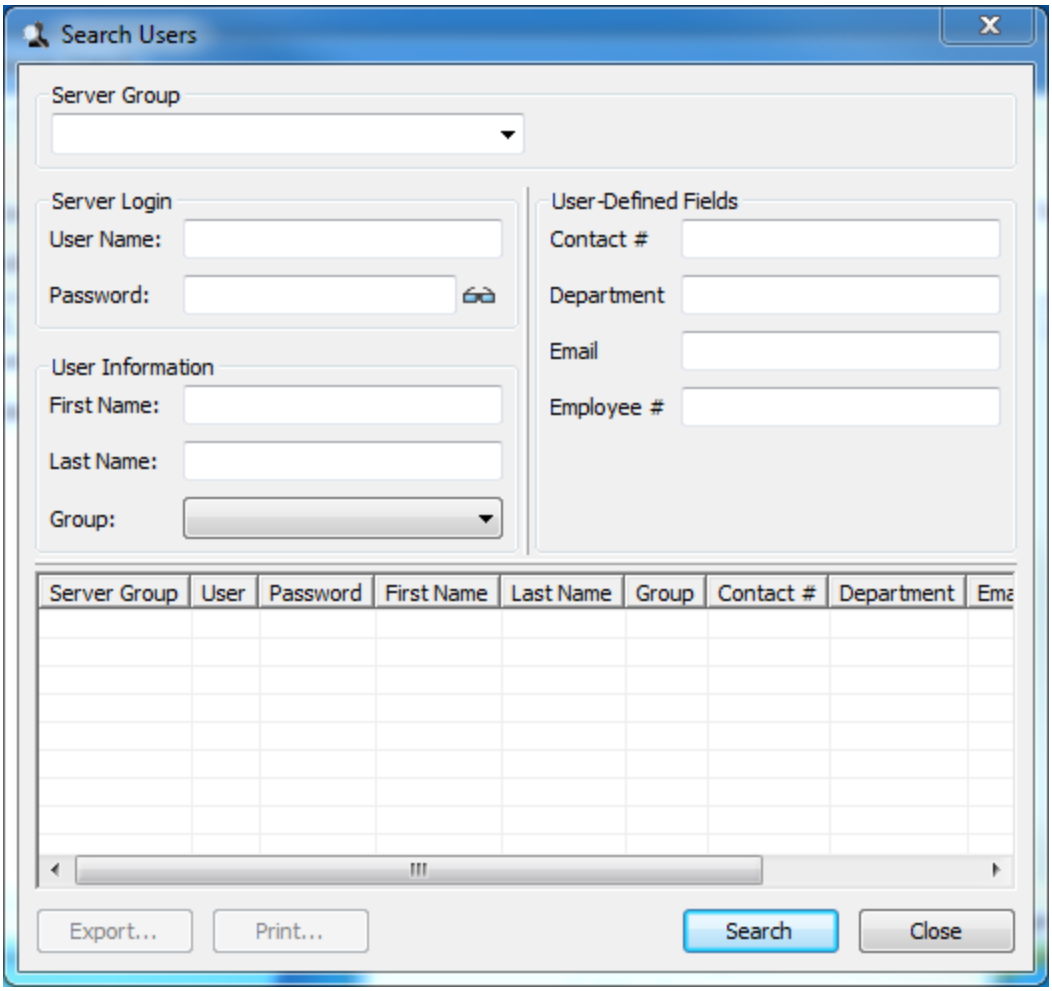
	**User Name**	The login name for the new user.
	Password	The password for the new user.
		Toggle this button to hide / view the password.
	First / Last Name	The new users Full Name.
	Group	Select the group that the user will be a member of from the drop down list.
	User-Defined Fields	These fields are configured in the Add / Edit Fleet window. This information is only used as meta data for ease of organization.
VIGIL Server Right Click Menu		**Update All Users**	This will Push the Current Users configured in VCM to the Selected VIGIL Server.
		Update All Users on All VIGIL Servers	This will Push the Current Users configured in VCM to all VIGIL Servers that the VCM User has access to.

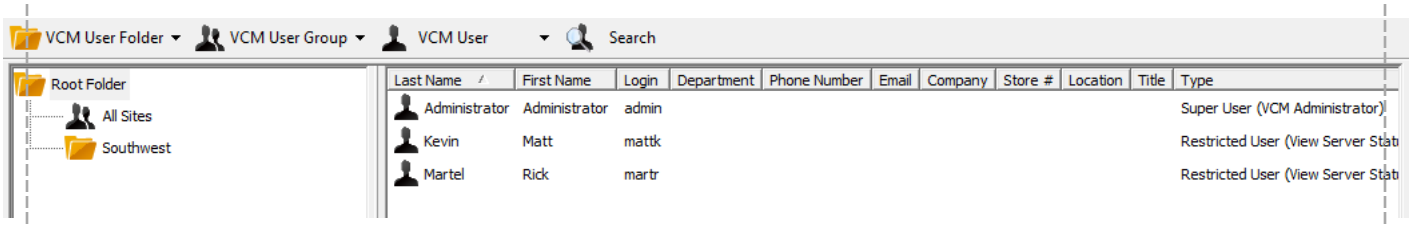
8.1 Search VIGIL Server Users / VIGIL Server User Groups

Search	Opens the Search Users window. Users can be searched based on VIGIL Server Group or on any combination of criteria from the Add Users window. Search results can also be printed to the default windows printer, or exported to HTML, Tab Separated or Comma Separated files.

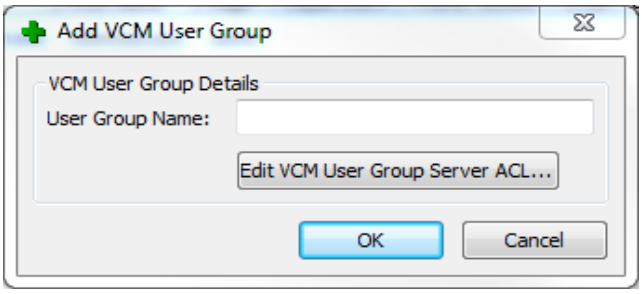


9 VCM Users

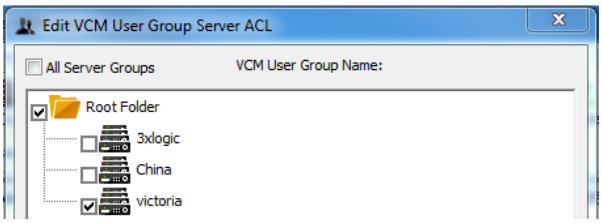
VCM Users regulate access to VCM, VIGIL Server Groups, and what VIGIL Server's are available when using the VIGIL Client feature to populate its list of VIGIL Servers from VCM.



VCM User Folder	Folders are used to organize VCM Users in Logical Groups. Folders and VCM User Groups can be added to Folders. VCM Users cannot be directly added to Folders.
VCM User Group	VCM User Groups are where the access to different VIGIL Server Groups is controlled. At least one VCM User Group must exist to add VCM Users.

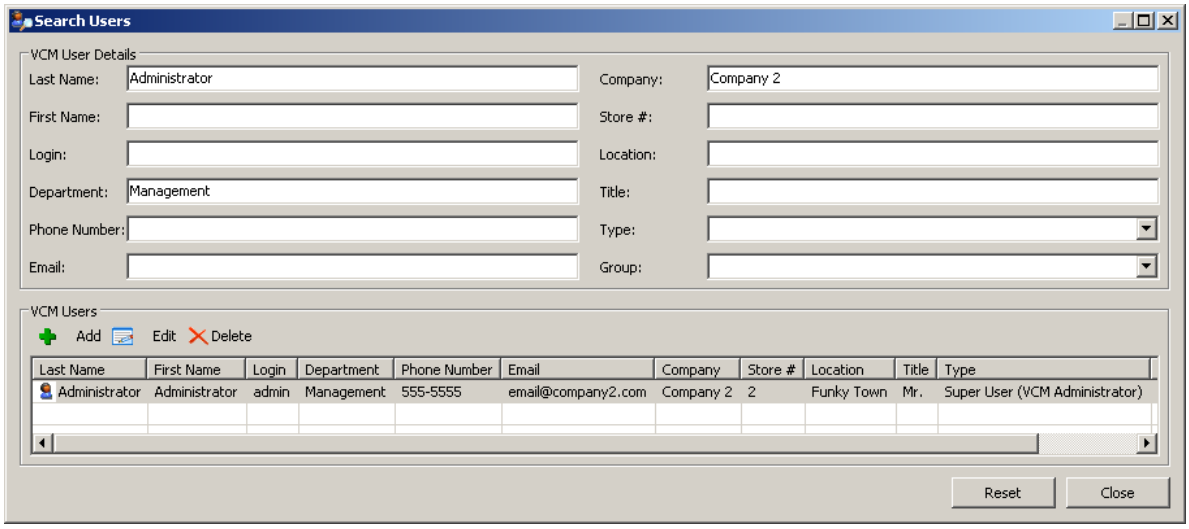


User Group Name	Enter a descriptive name for the VCM User Group.
View VIGIL Server ACL	Open the View VCM User Group VIGIL Server ACL window. In this window the VIGIL Server Groups which this VCM User group will have access to

		are configured.
All VIGIL Server Groups	Enable this option to give the VCM User Group access to all current and future VIGIL Server Groups.	
VCM User Group Name	The VCM User Group that this ACL is for.	
VIGIL Server Groups Window	Check which VIGIL Server Groups and Folders this VCM User Group will be able to access.	
Please note that any Folders or VIGIL Server Groups that are added after a VCM User Group is created will require the VCM Administrator to manually configure their access in any VCM User Groups that require access to the new Folders or VIGIL Server Groups.		

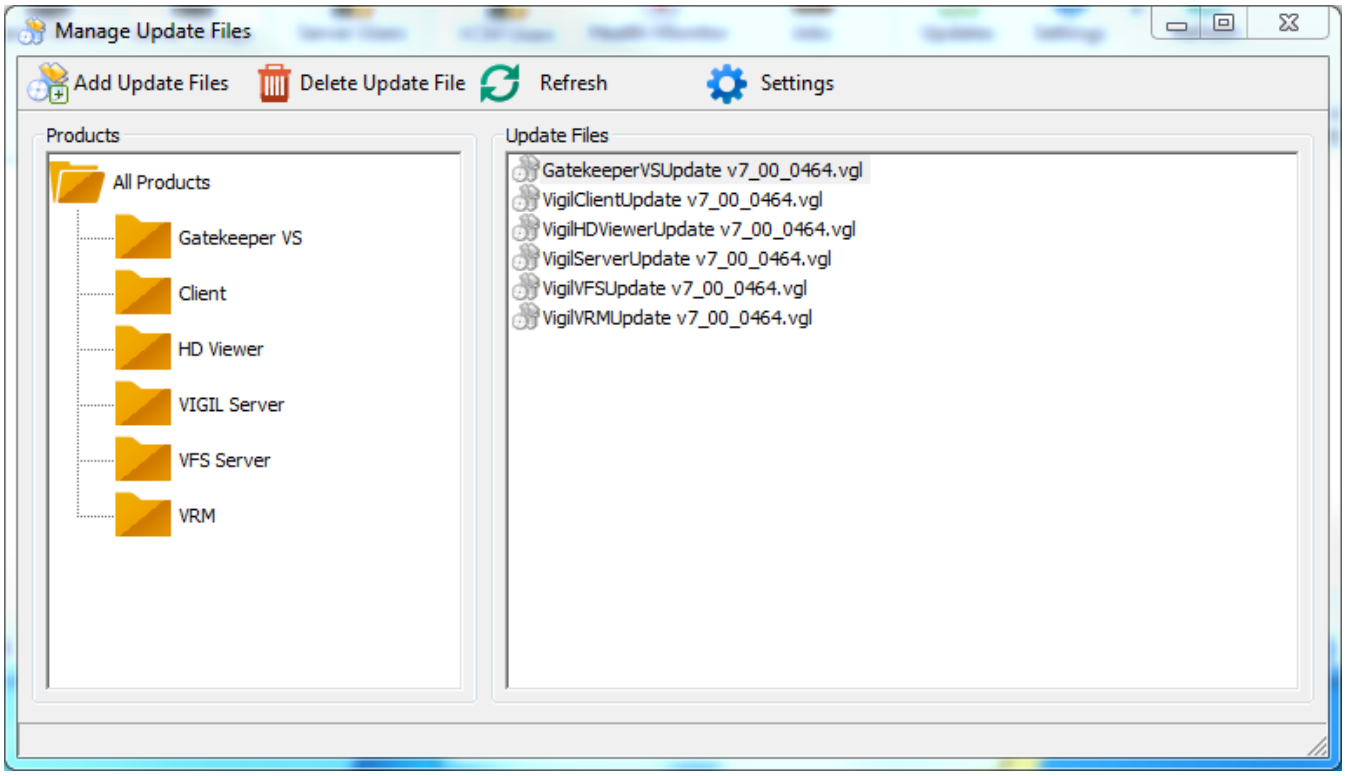
9.1 Search

Search	Opens the Search Users window. Users can be searched based on VIGIL Server Group or on any combination of criteria from the Add Users window. Search results can also be printed to the default windows printer, or exported to HTML, Tab Separated or Comma Separated files.



10 Updates

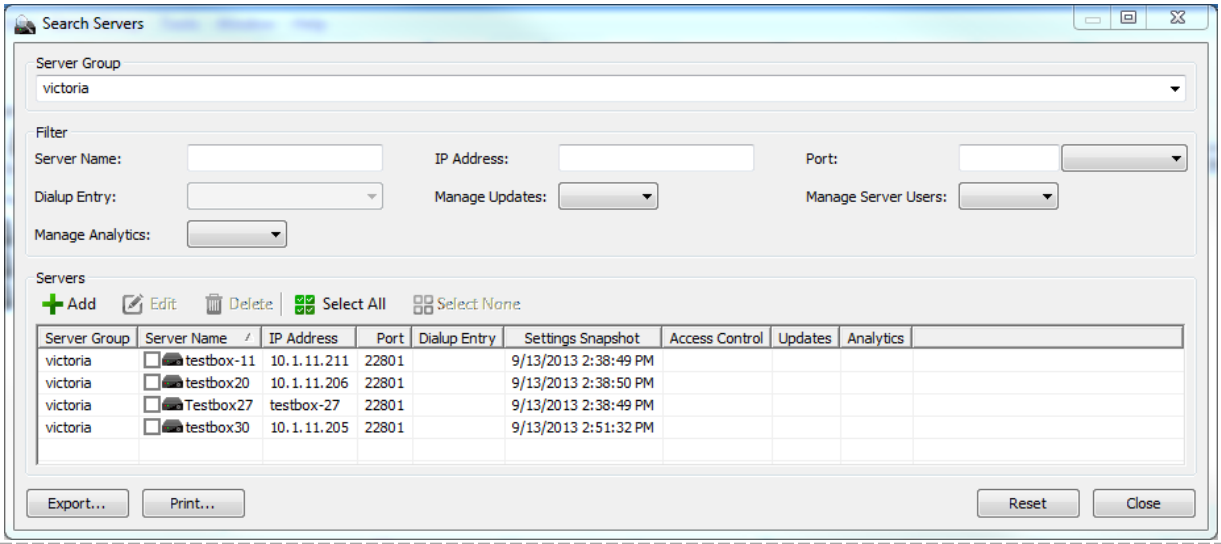
VCM Server allows update files to be uploaded into the *Update File* Manager, pictured below. Update files added to the manager are used to remotely update other VIGIL products.



Add Update Files	Opens a windows file browser. Locate the desired update file and press *Open* to place the file into the *Manage Update Files* window.
Delete Update File	Removes the selected update file from the *Manage Update Files* window.
Refresh	Refreshes the contents of the window.
Settings	Opens the *Automatic Updates* section of the *Settings* menu. Please see section 13.9 for more details.

Double-click on an update file to display an update warning. Press *OK* to begin the update.

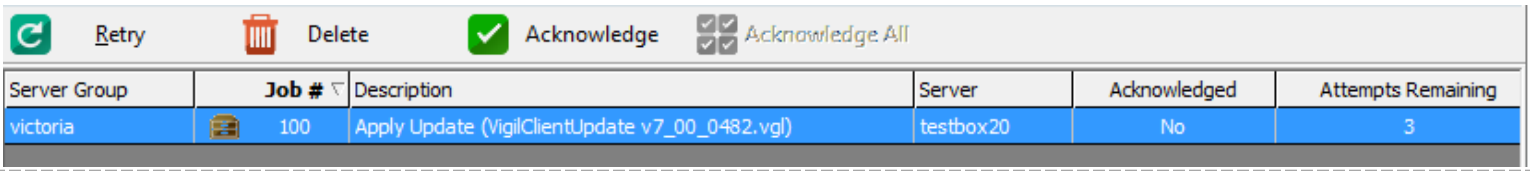
11 Search VIGIL Servers



VIGIL Server Group	Select a VIGIL Server Group to Filter the Search Results by.
Filters	Use the Filters section to narrow the search results.
☑	The Edit and Delete buttons as well as the right click context menu will be enabled for the VIGIL Server. This will apply to multiple VIGIL Servers if selected.
Add	Opens the Add VIGIL Server window.
Edit	Opens the Edit VIGIL Server window for the selected VIGIL Server(s).
Delete	Delete the currently selected VIGIL Server. This will delete all associated data collected (Analytics, User Audit etc), settings snapshots and still images. A confirmation dialog box will appear to confirm the deletion.
Select All / None	Select or Deselect all currently listed VIGIL Servers.
Export	Export the current VIGIL Server list to an HTML, CSV or Tab separated file.
Print	Print the current VIGIL Server list to the default printer.

12 Jobs

The Jobs window displays a listing of Access Control and Update Profile jobs that have not yet been applied to the target VIGIL Servers or have failed to apply to the target VIGIL Server.

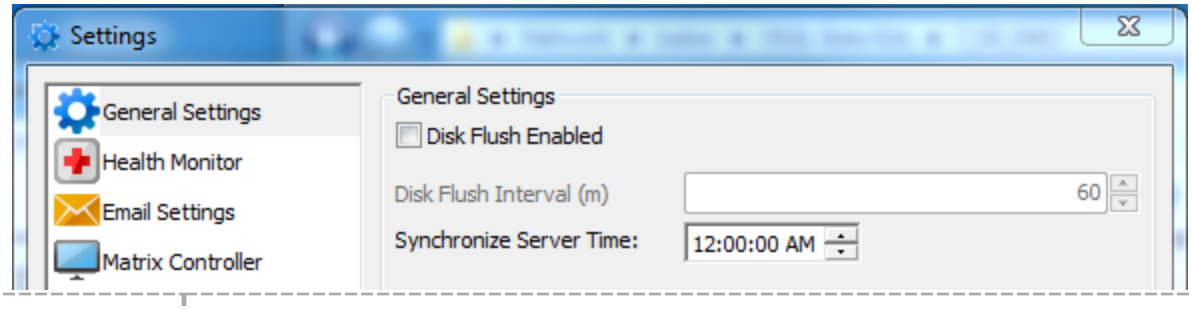


Retry	Restart a Job that has reached 0 attempts remaining.
Delete	Delete the currently selected Job.
Acknowledge	If the currently selected job is in Error, Acknowledge the error. This stops alerts from being sent, it does not stop the job.
Acknowledge All	Acknowledge Errors for all currently listed Jobs.
Job #	The unique identifier of the Job.
Attempts Remaining / Total	The number of attempts remaining and the maximum number of attempts before a Job will become inactive.
Created	The date / time the job was created.
Last Run	The last date / time the job was attempted to be run.
Next Scheduled Run	The date / time of the next attempt at running the job.

13 Settings

The VCM Settings can only be accessed by VCM Users with the Super User access level.

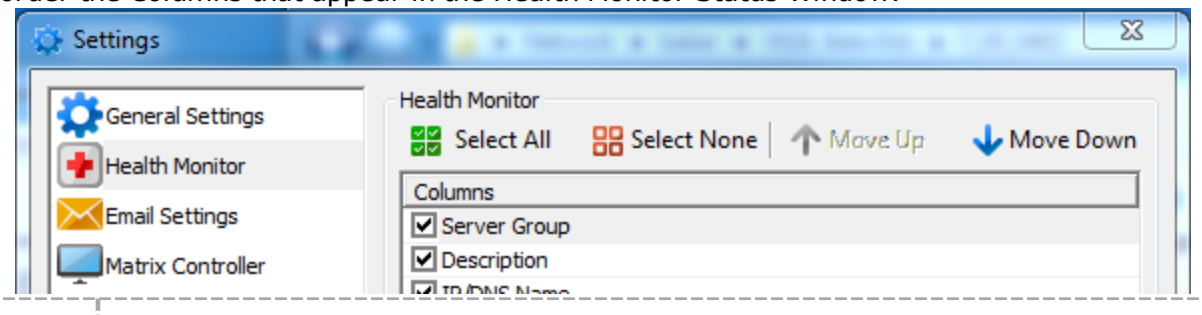
13.1 General Settings Tab



Disk Flush Enabled	When enabled, the VCM Server Service saves the VIGIL Server List, Groups and Jobs List at the set Interval. This protects against data loss if the VCM Server Service goes offline.
Synchronize VIGIL Server Time	Configure the time of day that VCM Server will synchronize the time of VIGIL Servers with the 'Sync Time with VCM Server' enabled. The VCM Server will sync the VIGIL Server at the configured time in the VIGIL Servers time zone.

13.2 Health Monitor Tab

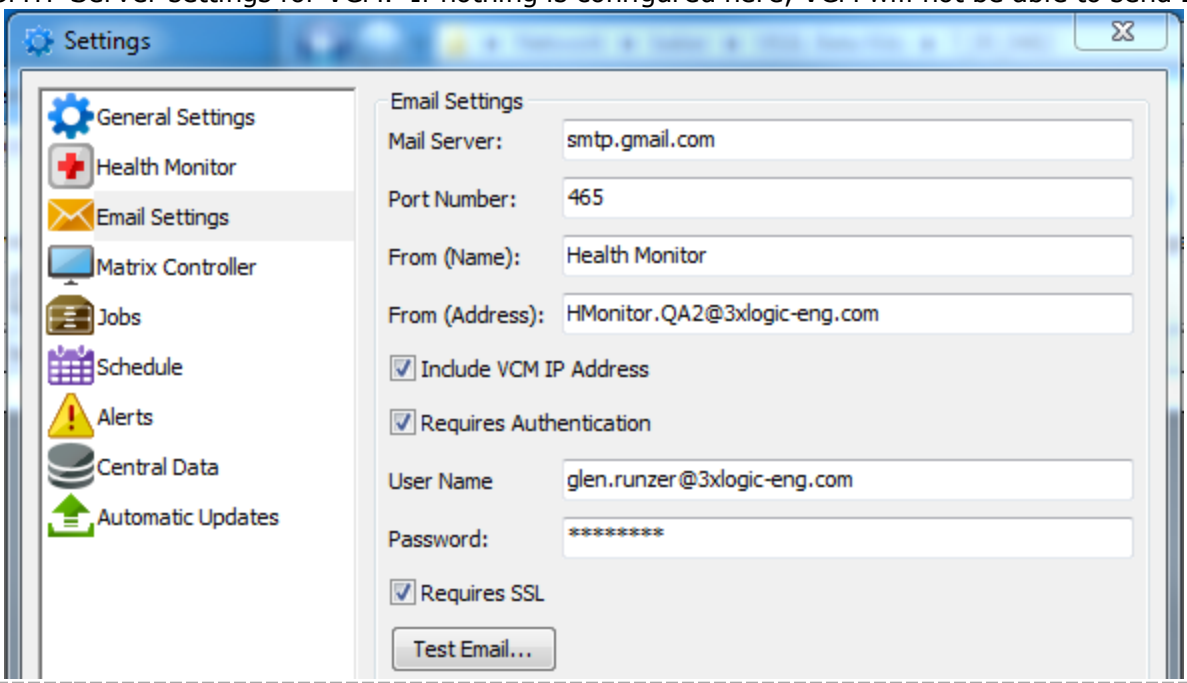
Select and re-order the Columns that appear in the Health Monitor Status Window.



Select All / None	Select or deselect all columns to display in the Health Monitor Status Window.
Move Up / Down	Move the currently selected column up or down in the list to adjust the order the columns will be displayed in the Health Monitor Status Window.

13.3 Email Settings Tab

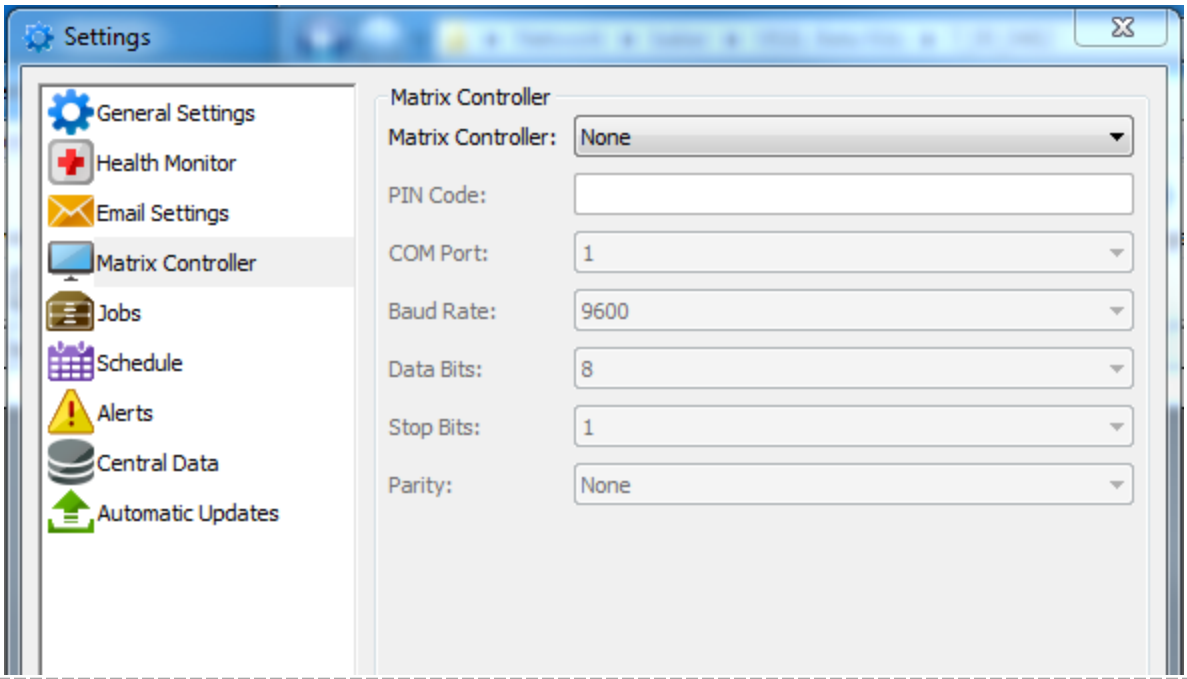
Configure the SMTP Server settings for VCM. If nothing is configured here, VCM will not be able to send Email Alerts.



Mail Server / Port Number	Configure the IP Address / DNS Name and Port of the SMTP Server.
From Name / Address	Configure the Name and Email Address that will be displayed in the Outgoing Emails.
Include VCM IP Address	Enable this option to include the IP Address of the VCM Server in the From line of email messages sent from this VCM Server.
Requires Authen-tication	Enable this option if the SMTP Server requires authentication.
User Name / Pass-word	Configure the User Name and Password for the SMTP Server.
Requires SSL	Enable this option if the SMTP Server requires SSL encryption.
Test Email	Send a test email to ensure the SMTP Server settings are correctly configured. A window will prompt for an email address to send the test message to.

13.4 Matrix Controller Tab

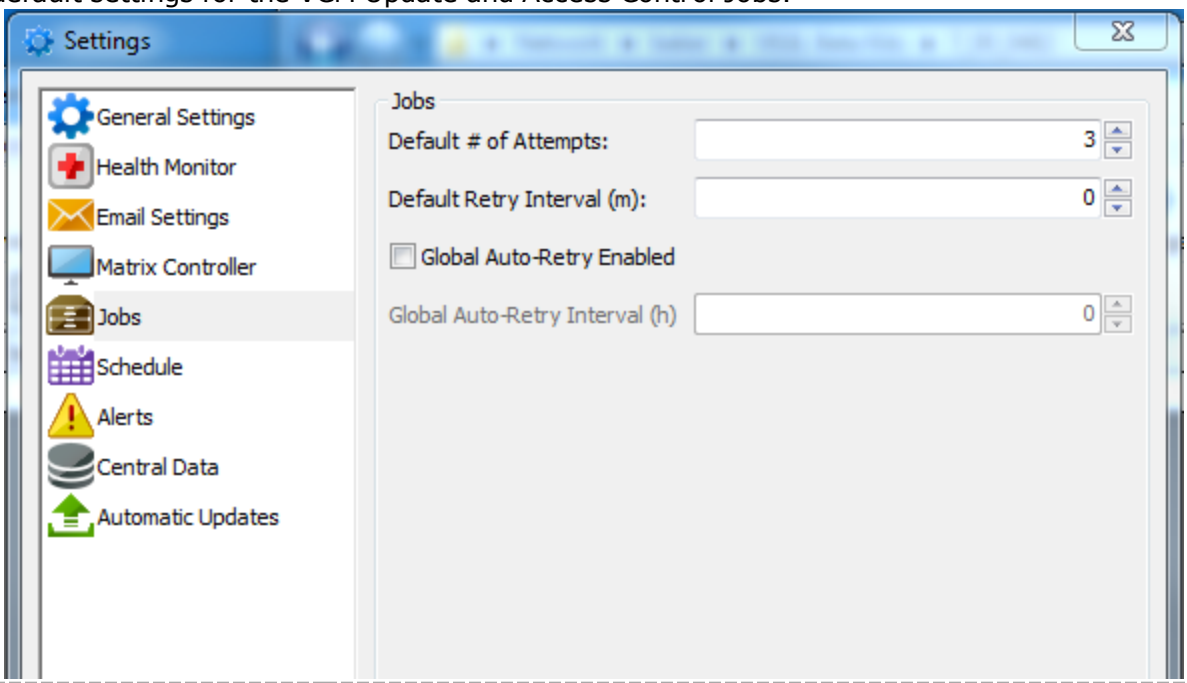
An attached Matrix Controller is configured on this tab. A Matrix Controller is required for Failover. Currently only the CM9740 is supported.



Matrix Controller	Select the Type of Matrix Controller from the Drop Down List. Currently only the CM9740 is supported.
PIN Code	The PIN Code required to logon to the Matrix Controller. This is configured on the Matrix Controller; refer to your Matrix Controller user manual for more information.
COM Port Settings	The COM Port settings for the Matrix Controller. These are configured on the Matrix Controller; refer to your Matrix Controller user manual for more information.

13.5 Jobs Tab

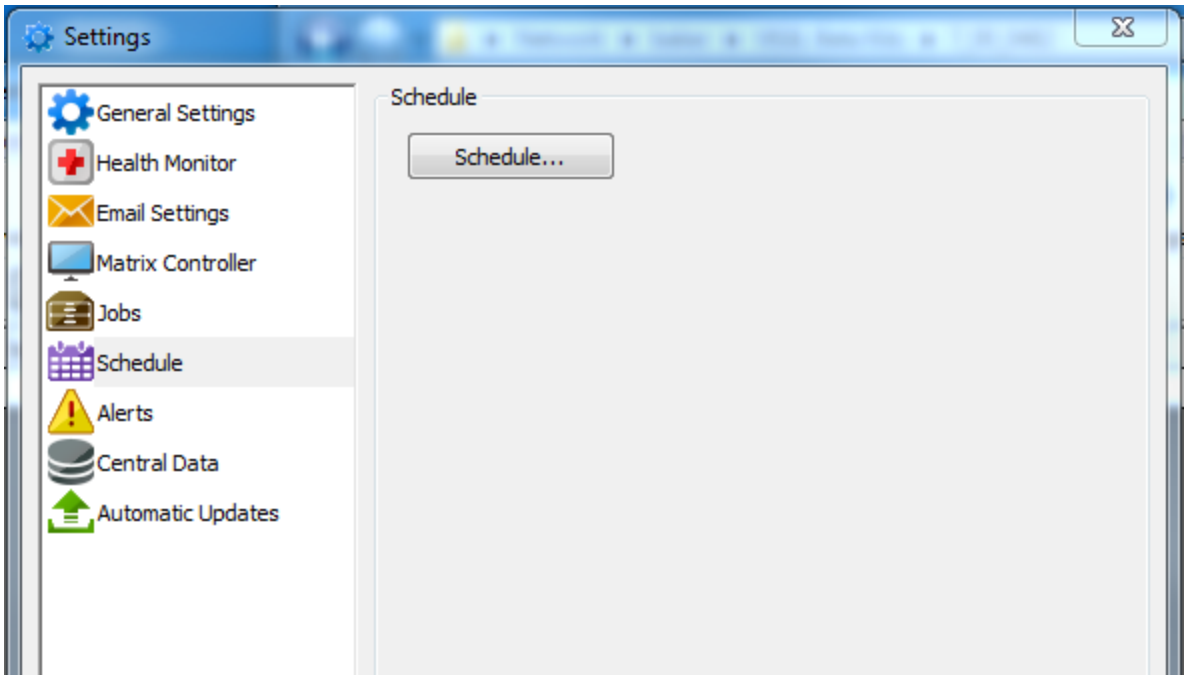
Configure the default settings for the VCM Update and Access Control Jobs.



Default # of Attempts	The maximum number of times a job will be attempted.
Default Retry Interval	The time in minutes between Retry Attempts.
Global Auto Retry Enabled	When enabled, all pending Jobs will be retried automatically at a set interval.
Global Auto Retry Interval	The time in hours between Global Retry Attempts.

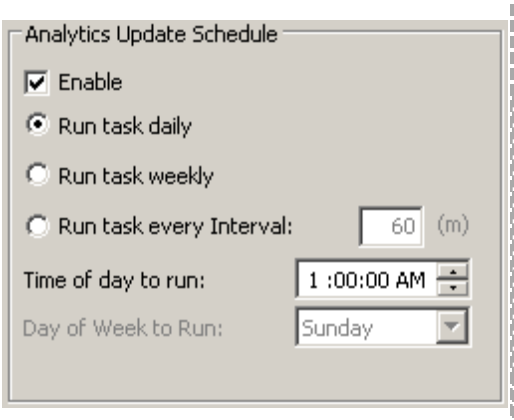
13.6 Schedule Tab

VCM Server can be configured to Schedule centralization of Video Analytics Data, VIGIL Server Settings, User Audit Data and User Configurable Data.



Analytics Update Schedule

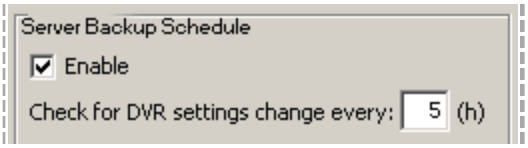
VCM Server can be configured to copy Video Analytics Data from a VIGIL Server to a Central Database. This will copy any rule that has the 'Allow data from this rule to sync to central database' option enabled.



Enable	Enable this option to configure the VCM Server to copy Video Analytics Data from all VIGIL Servers that have the 'Manage Analytics' option enabled.
Run Task Daily/ Weekly/ Interval	Select whether the Video Analytics copy will run Daily, Weekly or at a set Interval (configured in minutes).
Time of Day to Run	For Daily or Weekly, configure the time of day the Analytics Copy will run.
Day of Week to Run	For Weekly, configure the day of the week the Analytics Copy will run.

VIGIL Server Backup Schedule

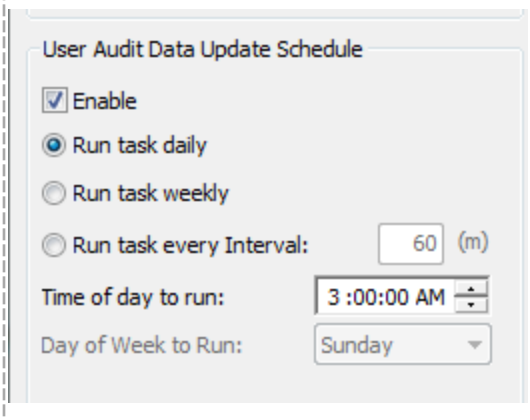
VCM Server can back up the VIGIL Server Settings called 'Settings Snapshots'. These can be manually created in the Health Monitor window. The Settings Snapshots can also be automated. Up to 10 Settings Snapshots can be stored by VCM Server, with each new one being created if VCM Server detects that the VIGIL Servers settings have changed since the last Settings Snapshot was created.



Enable this option to configure VCM Server to Automate VIGIL Server Settings Snapshot creation. Configure the interval in hours between each time VCM Server will check for changes to the VIGIL Servers settings.

User Audit Data Update Schedule

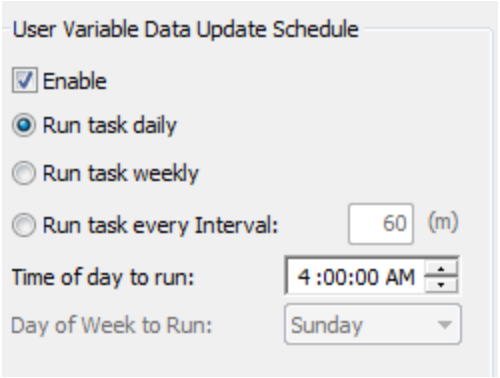
VCM Server can be configured to copy User Audit Data from a VIGIL Server to a Central Database.



Enable	Enable this option to configure the VCM Server to copy User Audit Data from all VIGIL Servers that have the 'Manage User Audit Data'' option enabled.
Run Task Daily / Weekly / Interval	Select whether the User Audit Data copy will run Daily, Weekly or at a set Interval (configured in minutes).
Time of Day to Run	For Daily or Weekly, configure the time of day the User Audit Data Copy will run.
Day of Week to Run	For Weekly, configure the day of the week the User Audit Data Copy will run.

User Variable Data Update Schedule

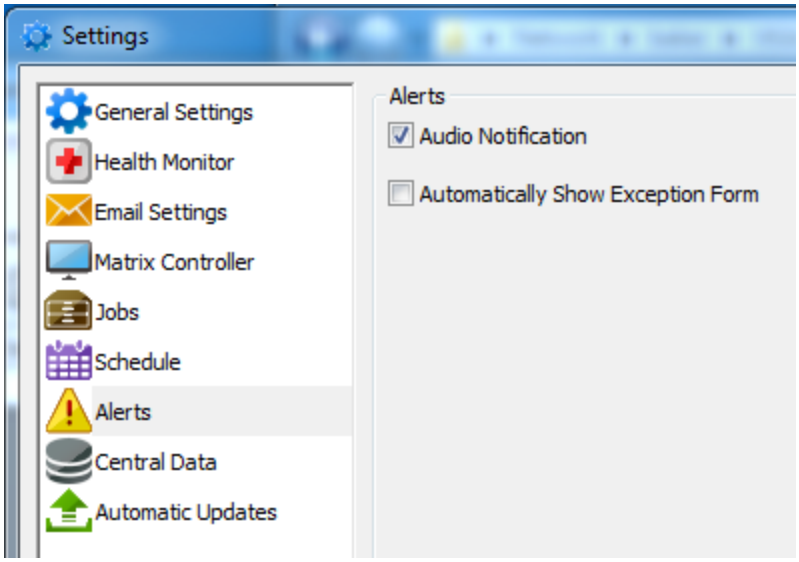
VCM Server can be configured to copy Data from a Data location to a Central Database. Currently supported locations are: SQL Server, ODBC Connections, Excel Spreadsheets and CSV Files. This is an advanced option that is configured via .ini files. For information on how to configure this option please consult your sales representative.



Enable	Enable this option to configure the VCM Server to check the DataSync directory and process any .ini files found in that directory at the configured time or interval.
Run Task Daily/ Weekly/ Interval	Select whether the User Variable Data copy will run Daily, Weekly or at a set Interval (configured in minutes).
Time of Day to Run	For Daily or Weekly, configure the time of day the User Variable Data Copy will run.
Day of Week to Run	For Weekly, configure the day of the week the User Variable Data Copy will run.

13.7 Alerts Tab

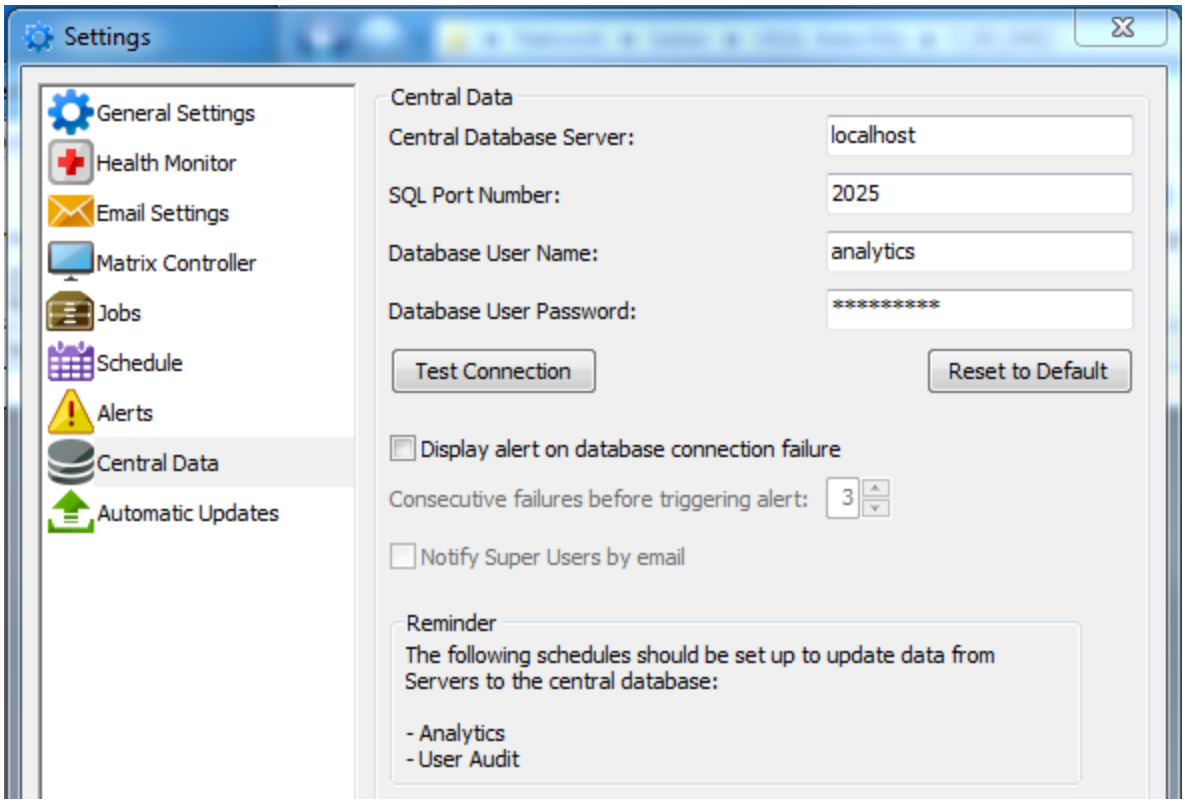
The Alerts tab controls how VCM handles Alerts.



Audio Notification	Enable system beep for all alerts. The audio notification will continue until the alert has been acknowledged or fixed.
Automatically Show Exception Form	Automatically display the *Health Monitor Alert Window* when a VIGIL Server is in Warning or Error state.

13.8 Central Data Tab

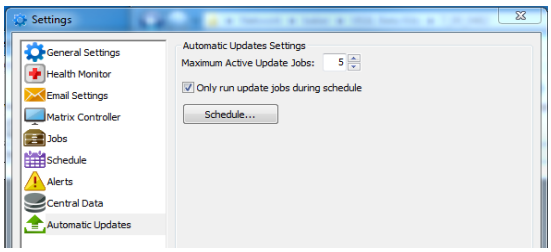
Configure the Central Database Server information that will be used by VCM Server for Central Data. This includes Analytics, User Audit Data and the User Variable Data. The Central Database Server requires a Microsoft SQL Desktop Engine and Central Analytics Database Scripts to be run.



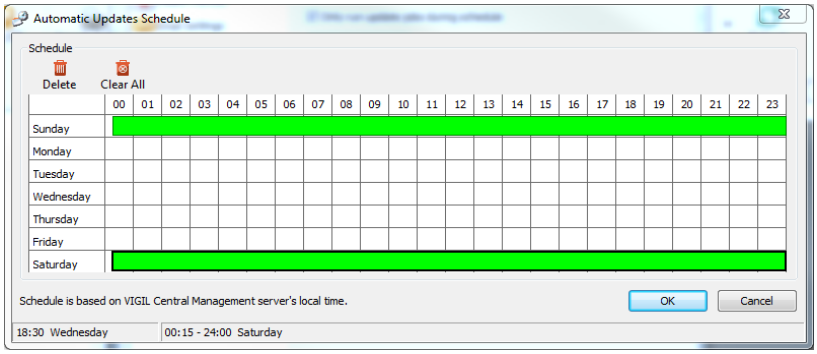
Central Database Server	The IP Address or DNS Name of the Central Database Server.
SQL Port Number	The SQL Port number. The default port number is 1433.
Analytics User Name	The SQL User Name on the Central Database Server.
Analytics User Password	The SQL Password on the Central Database Server.
Test Connection	Test the settings to ensure a connection to the Central Database Server.
Reset to Default	Reset the fields to default settings.

13.9 Automatic Updates

The Automatic Update tab allows the configuration of a maximum number of update jobs at once, along with the ability to only update on a schedule.



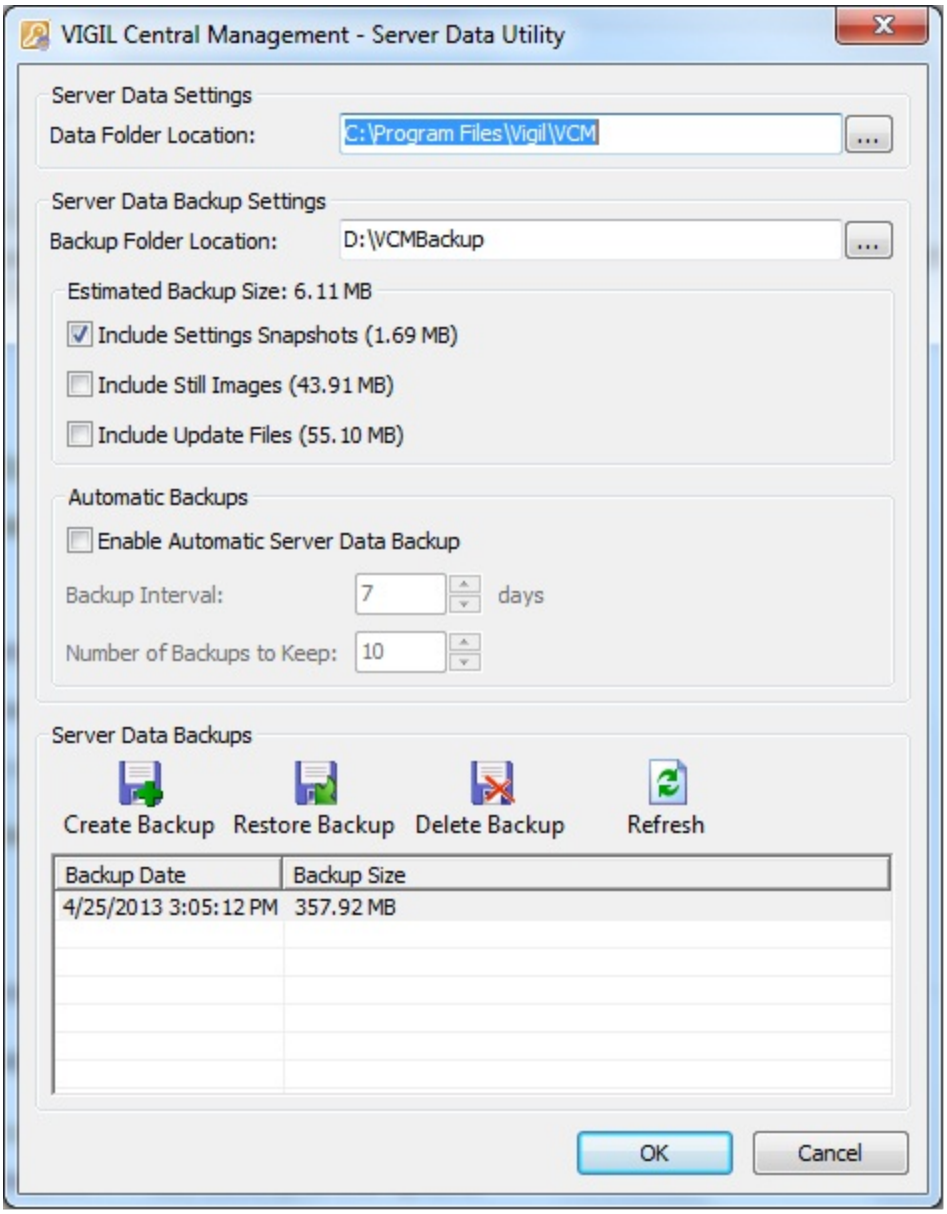
Maximum Active Update Jobs	Determines the maximum amount of update jobs executable by VCM at one time.
Only run update jobs during schedule	Selecting this option will only allow updates to be done during the selected schedule.
Schedule...	Click to open the *Automatic Updates Schedule* window, pictured below. Click on a start time and drag the coloured sections to cover the allowed times for a software update.



Delete	Deletes the currently selected segment.
Clear all	Deletes all segments.

14 VCM Server Data Utility

The VCM Server Data Utility is an application installed alongside VIGIL VCM to manage VCM-controlled VIGIL Server backups. It can be accessed through your Start Menu, through the VIGIL program folder.



Data Folder Location	Click the "..." button to select the location for exported data files.
Backup Folder Location	Click the "..." button to select the location for backup folders.
Include Settings Snapshots	Enable this option to include Settings Snapshots from each VIGIL Server in the backup folder.
Include Still Images	Enable this option to include still images from every camera on each VIGIL Server configured in VCM.
Include Update Files	Enable this option to include update files in the VCM backup folder.
Enable Automatic Server Data Backup	Enable this option to allow VCM to automatically create backups at regular intervals. Manually enter the number of days between backups, along with the number of backups to keep at one time.
Create Backup	Clicking this button will create a backup folder on the local machine of all the current VCM settings.
Restore Backup	Clicking this button will apply the selected backup to VCM.
Delete Backup	Clicking this button will delete the currently selected backup
Refresh	Refreshes the list of stored VCM backups.

15 Language Switcher

VIGIL VCM can be run in English, French, Spanish, Chinese, and Hebrew. The *Language Switcher* can be run from the Windows Start menu, select *Programs* | *VIGIL* | *Language Switcher*. Select the desired language from the drop-down menu, click switch. A prompt will show informing that a system reboot is required to complete the language change. Click *Yes* to reboot immediately, Click *No* to have the update applied the next time the system is restarted.

Note:The prompt will display in the language that is being switched to.

16 Contact Information

3xLOGIC has offices in Victoria BC, Canada and in Westminster Colorado, USA. Please visit our 3xLOGIC web site at www.3xlogic.com. Please contact us by e-mail at support@3xlogic.com (technical support), or using the following contact information:

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(877) 395-6442
Email:support@3xlogic.com
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